SHEET 1 - COVER SHEET

SHEET 2 - TYPICAL SECTIONS

SHEET 3 - GENERAL NOTES/ESTIMATE OF QUANTITIES

SHEET 4-16 - PLAN LAYOUT

SHEET 16-19 - STANDARD DETAILS INDEX TO PLAN SET 1-4 - PED-18 - PEDESTRIAN FACILITIES CURB RAMPS
1-3 - TYPE PRD-13 - PEDESTRIAN RAIL
1-3 - TYPE PRD-13 - PEDESTRIAN RAIL
1-4-PW-0 - CONCRETE HEADWALLS WITH PARALLEL WINGS FOR NON-SKEWED PIPE CULVERTS
1-PM(3)-12 - PAVEMENT MARKINGS
1-TCP (2-4) -18 - TRAFFIC CONTROL PLAN LANE CLOSURES ON MULTILANE CONVENTIONAL ROADS
1-TCP (2-1) -18 - TRAFFIC CONTROL PLAN CONVENTIONAL ROAD SHOULDER WORK
1- ENTRONMENTAL PERMITS, ISSUES, AND COMMITMENTS (EPIC) 1- ENVIRONMENTAL PERMITS, ISSUES, AND COMMITMENTS (EPIC) 1-2 - STORM WATER POLLUTION PREVENTION PLAN (SW3P)



OF ABILENE, TEXAS WORKS DEPARTMENT

ENGINEERING DIVISION

TASA US 83/84 BIKE/PED IMPROVEMENTS HWY 277 FROM TEXAS AVE. TO S. DANVILLE DR. S. CLACK ST. FROM HWY 277 TO CATCLAW DR. **TEXAS AVE. FROM CORSICANA TO HWY 277 LENGTH: 5,073'**

COUNCIL

SHANE PRICE

WELDON HURT

KYLE MCALISTER

DONNA ALBUS

JACK RENTZ

TRAVIS CRAVER

PROJECT AREA

MAYOR

ANTHONY WILLIAMS

CITY MANAGER

ROBERT HANNA

DIRECTOR OF PUBLIC WORKS

GREGORY S. McCAFFERY, P.E.

PROJECT LOCATION MAP

SPECIFICATIONS USED FOR THIS PROJECT ARE FROM THE "CITY OF ABILENE STANDARD SPECIFICATIONS FOR CONSTRUCT ABILENE STANDARD SPECIFICATIONS FOR CONSTRUCTION" REVISED SEPTEMBER 2006 ADOPTED JANUARY 2001

SPECIFICATIONS ADOPTED BY THE TEXAS DEPARTMENT OF TRANSPORTATION, 2014 AND SPECIFICATION ITEMS LISTED AND DATED AS FOLLOWS, SHALL GOVERN ON THIS PROJECT: REQUIRED CONTRACT PROVISIONS FOR ALL FEDERAL-AID CONSTRUCTION CONTRACTS (FORM FHWA 1273, MAY 2012).

PROJECT DURATION: 60 WORKING DAYS ACTIVITY NUMBER: E2002 FUNDING: 2015 BOND

All curb ramps and pertinent designs are in reasonable compliance with Texas Accessibility standards and the Americans with Disabilities Act.

CSJ# 0908-33-099 FED# STP 1902 (193)TAP TAYLOR COUNTY TXDOT INFORMATION:

TDLR Project # TABS2020007618 TDLR INSPECTION REQUIRED

EROSION CONTROL REQUIREMENTS:

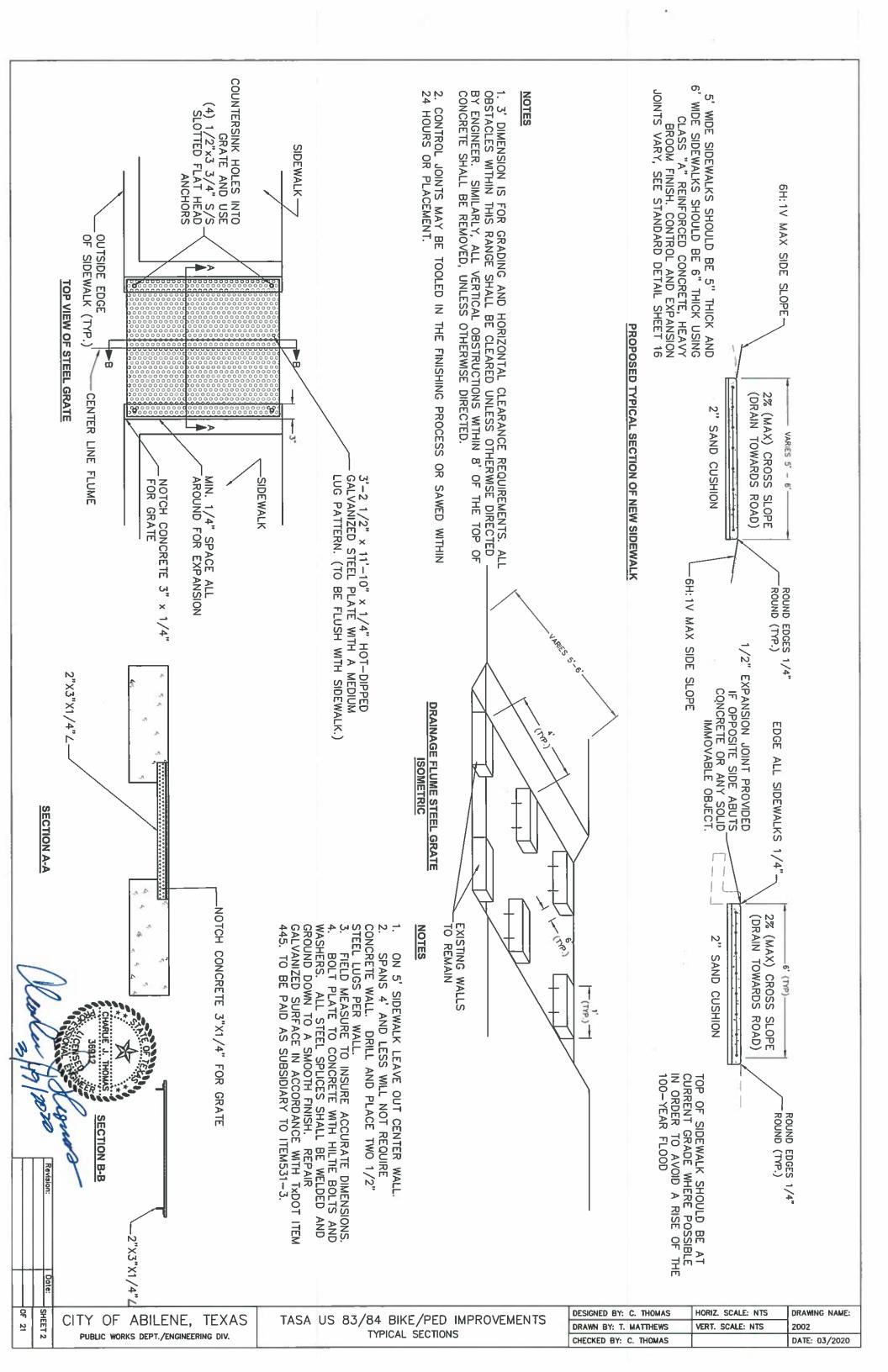
controls to prevent sediment introduction into the City's drainage way are still necessary. A determination has been made that this project/development is may be addressed to the City of Abilene's Engineering Division at requirements for an erosion control plan and implementation of and is not part of a larger common plan of development equal to or greater than one acre. However, City of Abilene not subject to the requirements of the Texas Commission on Environmental Quality TPDES Construction General Permit TXR150000 as it will involve less than one acre of disturbed soil Questions concerning these requirements 325.676.6281.



ANTHONY WILLIAMS MAYOR, CITY OF ABILENE

SHEET 1 유

21



GENERAL NOTES

THE CONTRACTOR SHALL DESIGNATE, IN WRITING, A GENERAL SUPERINTENDENT. THE SUPERINTENDENT WILL BE AVAILABLE AT ALL

- ACCESS TO BUSINESSES AND RESIDENTS WILL BE AVAILABLE AT ALL TIMES
- CONTRACTOR MUST COORDINATE ONGOING CONSTRUCTION WITH OTHER CONSTRUCTION WITHIN THE LIMITS OF NECESSARY 품 PROJECTS
- 4. EXPANSION JOINT (1/2) SHALL BE PROVIDED WHERE NEW CONCRETE MEETS OLD CONCRETE AND WHERE SHOWN ON ALL CONCRETE SHALL RECEIVE A HEAVY BROOM FINISH. EXPANSION JOINTS WILL NOT BE PAID FOR SEPARATELY BUT WILL SUBSIDIARY TO THE RELEVANT CONCRETE PAY ITEM.

THE CONTRACTOR SHALL USE A COMMERCIAL GRADE CONCRETE CURING COMPOUND ON ALL EXPOSED SURFACES. TWO APPLIC. SHALL BE PERFORMED 24 HOURS APART. A FINE MIST SPRAYER SIMILAR TO A STANDARD ORCHARD SPRAYER SHALL BE USED APPLY THIS COMPOUND. PAINT BRUSHES OR OTHER NON—UNIFORM METHODS WILL NOT BE USED. ŏ

A PROJECT BOARD WILL BE REQUIRED TO BE PLACED ON THIS JOB, AND UPDATED AS NEEDED. THIS BOARD WILL BE REQUIRED TO MAINTAIN TWO POSTERS TITLED "EEO IS LAW" ONE POSTER WILL BE IN ENGLISH, THE OTHER IN SPANISH. THIS BOARD WILL ALSO B REQUIRED TO INCLUDE THE CONTRACTORS EEO POLICY STATEMENT AS REQUIRED BY THE FHWA-1273-EEO. WILL ALSO BE

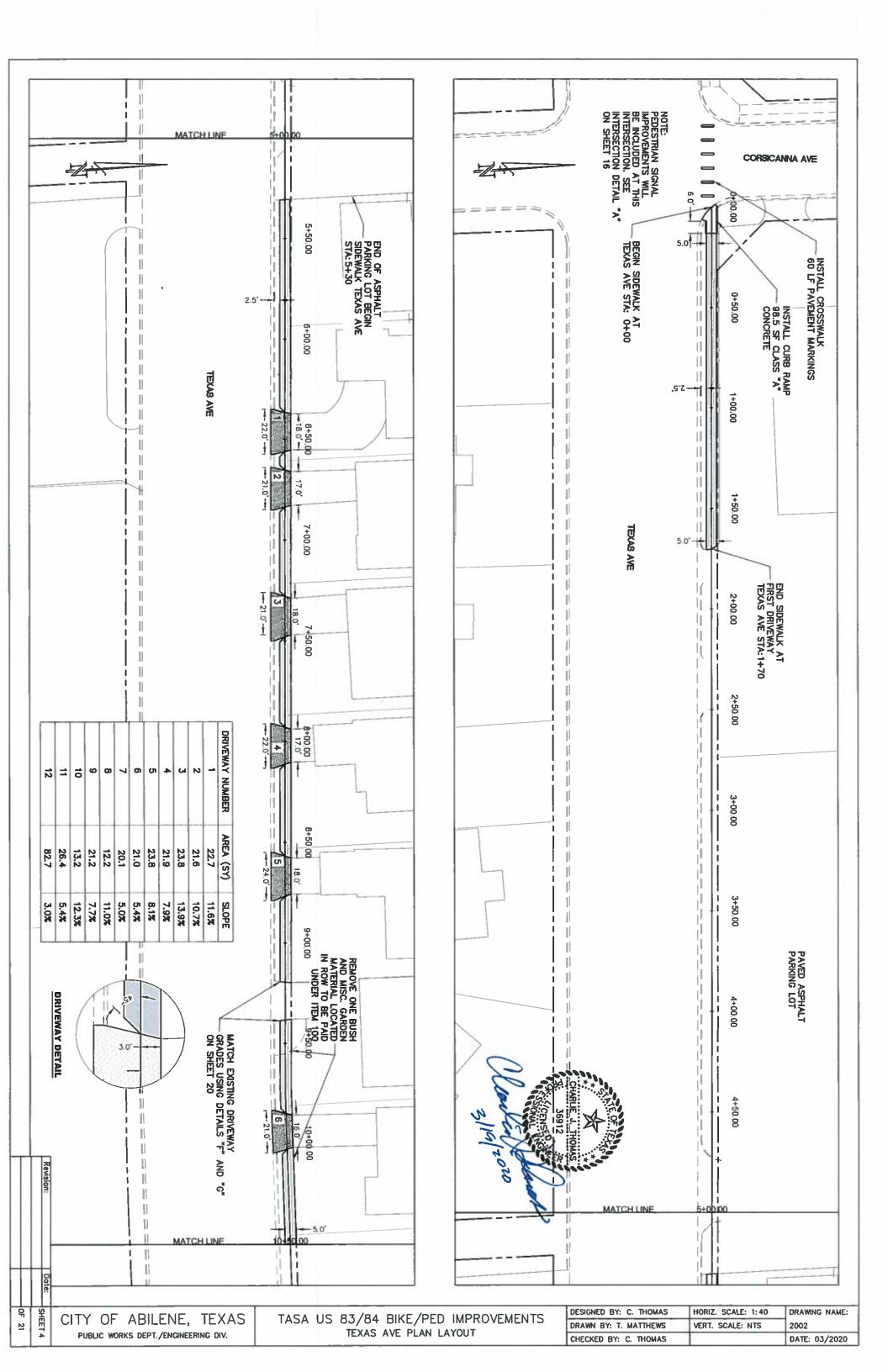
- SPECIFIED IN PLANS. ALL WASTE MATERIAL TO BECOME CONTRACTOR'S PROPERTY. OTHER ITEMS OF WORK ARE DESCRIBED STANDARD SPECIFICATIONS ITEM 100 PREPARATION OF RIGHT-OF-WAY: CONTRACTOR TO REMOVE OR TRIM TREES AND MOVE MAILBOXES, SIGNS,
- 6. ITEM 104 CONCRETE REMOVAL: IN GENERAL, REMOVAL OF CONCRETE WILL BE PAID AS SUBSIDIARY TO THE REPLACEMENT OF THE ITEM. THIS PAY ITEM IS MEANT TO PAY FOR THE REMOVAL OF EXISTING SIDEWALK LOCATED AT THE CORNER HWY 277 AND S CLACK ST AS THIS IS NOT A DIRECT REPLACEMENT, RATHER THE NEW ITEM SHALL BE CONSTRUCTED ACCORDING TO DETAIL "E" SEEN ON SHEET 20.
- CONCRETE STRUCTURE CONSTRUCTION TO BE SUBSIDIARY TO ITEM 420-1, WITH MATERIAL TO BECOME CONTRACTOR'S PROPERTY) VERIFIED IN THE FIELD BY THE ENGINEER. ITEM 420-1 CONCRETE RETAINING WALL: THERE ARE SOME AREAS THAT MAY REQUIRE CURB WALLS. ALL REMOVAL OF EXISTING MATERIAL (DIRT, CONCRETE, ASPHALT, ETC.) ASSOCIATED WITH
- 8. ITEM 420-2 CONCRETE DRIVEWAY: THIS QUANTITY INCLUDES DRIVEWAYS THAT ARE TO BE REMOVED AND REPLACED. CONCRETE REMOVAL ASSOCIATED WITH THE REPLACEMENT OF A DRIVEWAY WILL BE PAID SUBSIDIARY TO THAT DRIVEWAY.
- BARRICADES, SIGNS, AND TRAFFIC HANDLING ON THIS PROJECT. THERE MAY BE OTHER MINOR SIGNS AND OR TRAFFIC MARKINGS THAT ARE DEEMED NECESSARY TO PROTECT THE TRAVELING PUBLIC AND CONSTRUCTION EMPLOYEES. PAYMENT FOR MISCELLANEOUS MINOR SIGNS WILL BE INCLUDED IN THE PRICE BID FOR ITEM 502. SEE TXDOT STANDARD TRAFFIC CONTROL PLANS LOCATED AT THE BACK OF SIGNS WILL BE INCLUDED IN THIS PLAN SET. ITEM 502 BARRICADES, SIGNS, AND TRAFFIC HANDLING: THIS PROJECT REQUIRES THE CONTRACTOR TO INSTALL CONSTRUCTION
- EXISTING MATERIAL (DIRT, CONCRETE, ETC..) ASSOCIATED WITH CURB RAMP CONSTRUCTION WILL BE SUBSIDIARY TO ITEM, WITH THE MATERIAL TO BECOME CONTRACTOR'S PROPERTY. THE FLAT LANDING FOR TYPE 1, 7, AND 10 WILL BE PAID FOR AS SIDEWALK. 10. **ITEM 531-1 CURB RAMPS:** LENGTH OF RAMPS SHOWN IS BASED ON EXISTING AND/OR ANTICIPATED GRADES AT GUTTER AND SIDEWALK AND MAY VARY. THE SLOPE OF THE RAMP WILL CONTROL IT'S LENGTH. WHERE CURB AND GUTTER IS SHOWN ON PLAN REPAIRED IN CONJUNCTION WITH THE PROPOSED RAMP, COST OF THAT CURB WILL BE SUBSIDIARY TO THE RAMP. ALL REMOVAL OF O
- 11. ITEM 531-2 SIDEWALKS: THE FINISH OF THE NEW CONCRETE SHALL MATCH THE EXISTING ADJACENT CONCRETE AS CLOSE AS POSSIBLE. WHERE THERE IS NO EXISTING SIDEWALK, THE PROPOSED SIDEWALK SHALL HAVE A ROUGH BROOM FINISH. ALL REMOVAL OF EXISTING MATERIAL (DIRT, CONCRETE, ETC...) ASSOCIATED WITH SIDEWALK CONSTRUCTION WILL BE SUBSIDIARY TO ITEM, WITH THE MATERIAL

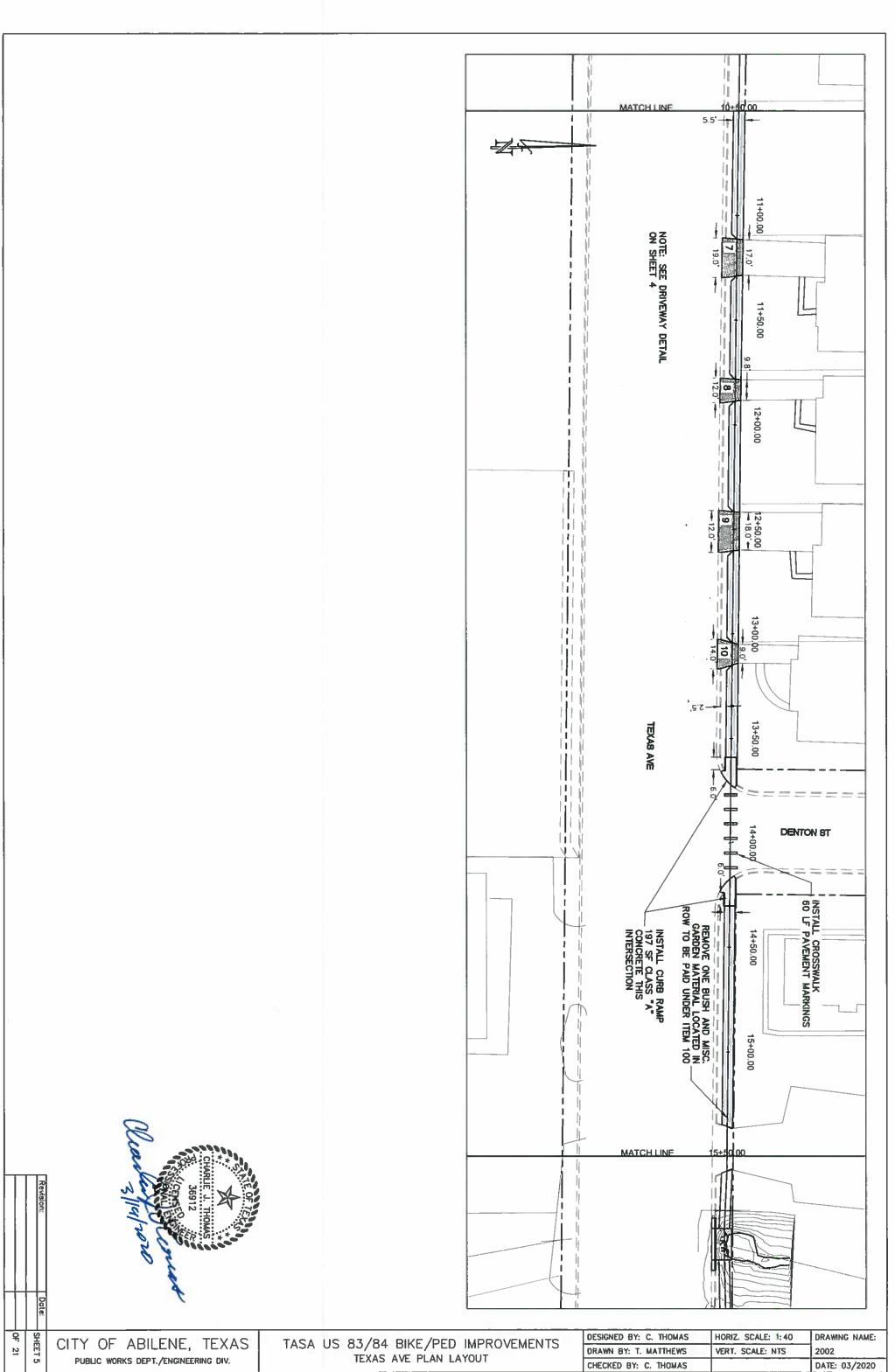
NOTE: ALL SIDEWALK AND CURB RAMPS CONSTRUCTED IN THE FLOODWAY MUST BE CONSTRUCTED BY CUTTING THE EXISTING GRADE.
THE NEW SIDEWALK MUST BE CONSTRUCTED AT OR BELOW THE EXISTING GRADES. THIS IS A FLOODWAY REQUIREMENT.

	ESTIMATE OF QUANTITIES	TITIES		
- 11			TOTALS	S
## #	DESCRIPTION	ONI	ESTIMATED	FINAL
100	PREPARING RIGHT-OF-WAY	STA	54.73	
104	REMOVAL OF CONCRETE	SY	221.5	
110	EXCAVATION	СҮ	516	
420-1	CONCRETE STRUCTURES(RETAINING WALL)(CL "A")	СҮ	16	
420-2	CONCRETE STRUCTURES (DRIVEWAY)(CL "A")	SY	463.6	
420-3	CONCRETE STRUCTURES (RIPRAP)(CL "A")	ΥS	13	
420-4	CONCRETE STRUCTURES (FLUME)(CL "A")	ΥS	10.7	
500	MOBILIZATION	SJ	1	
501	MODIFIED CURB INLET (15')	£Α	1	
502	BARRICADES, SIGNS AND TRAF. HNDG	MO	S	
529	CONCRETE CURB AND GUTTER (CL "A")	ᄕ	767.2	
531-1	SIDEWALKS	SF	22,100	
531-2	CURB RAMPS	SF	1,070	
531-3	STEEL GRATE	ൂ	207.3	
618-1	CONDUIT (PVC) (SCHD 40) (2")	두	600	
620	ELEC CONDUCTOR (NO 6) (BARE)	F.	600	
656	PED POLE ASSEMBLY	ΕA	7	
682	PEDESTRIAN SIGNAL HEADS (DMS 11120)	ΕA	28	
684	TRAF SIG CBL (TYP 1) (4 CONDR) (14 AWG)	ᄕ	600	
TXD0T 450	PEDESTRIAN HANDRAIL (TYP F)	땬	433	
TXD0T 466	PARALLEL WING WALLS	СҮ	10	
TXDOT 668-1	PREFAB PAVEMENT MARKINGS (CROSSWALKS)	LF	620	
XD0T 668-2	XDOT 668-2 PREFAB PAVEMENT MARKINGS (STOP BAR)	Ή	12	
XDOT 668-3 PREFAB	PREFAB PAVEMENT MARKINGS (YIELD LINE)	ΕA	1	
XDOT 668-4	PREFAB PAVEMENT MARKINGS (ARROW)	ΕA	1	
TXD0T 688	PEDESTRIAN DETECTORS (APS)	EA	20	

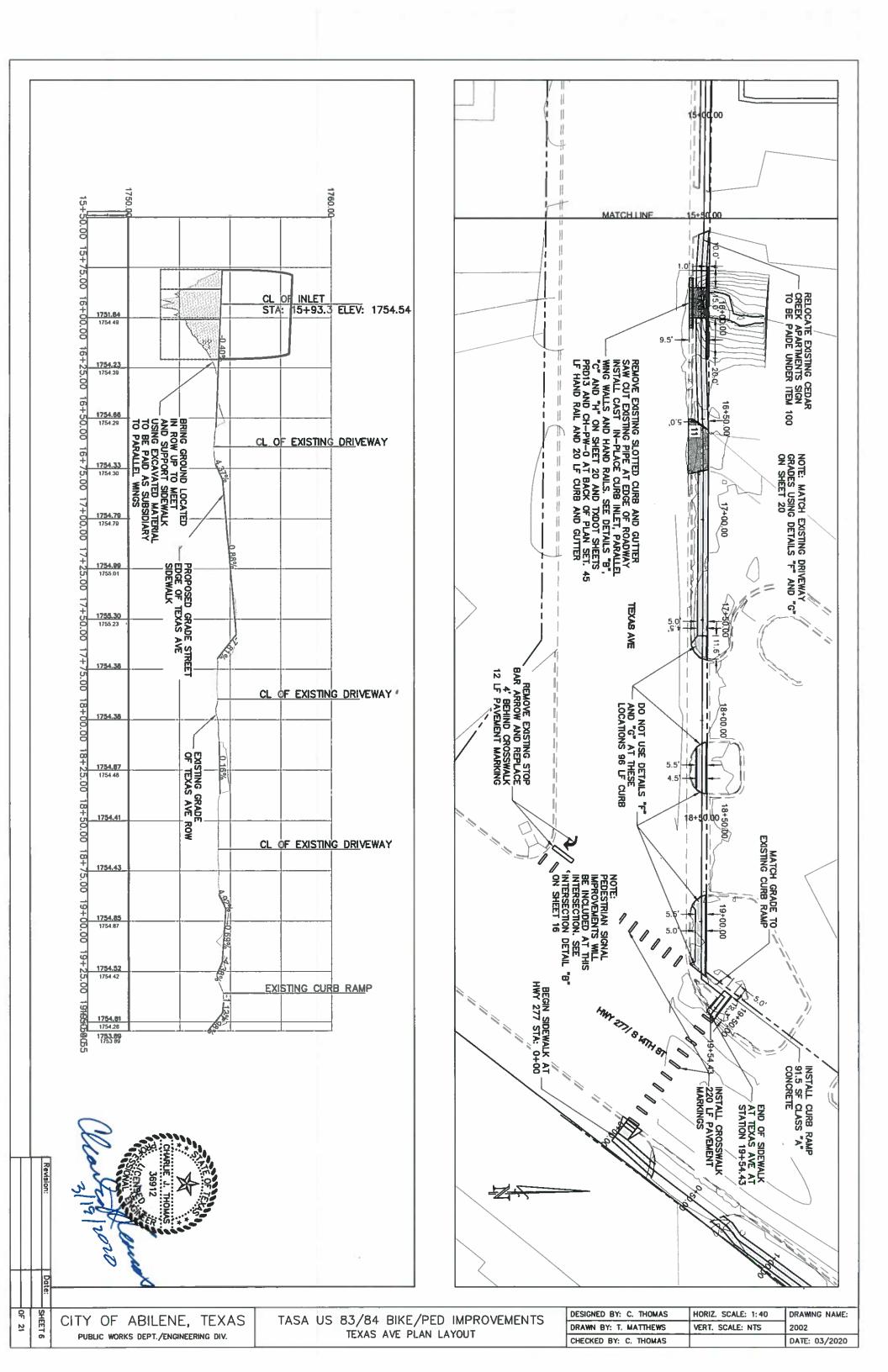
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PUBL	JC WOR	ks dept./engi	NEERING DIV.

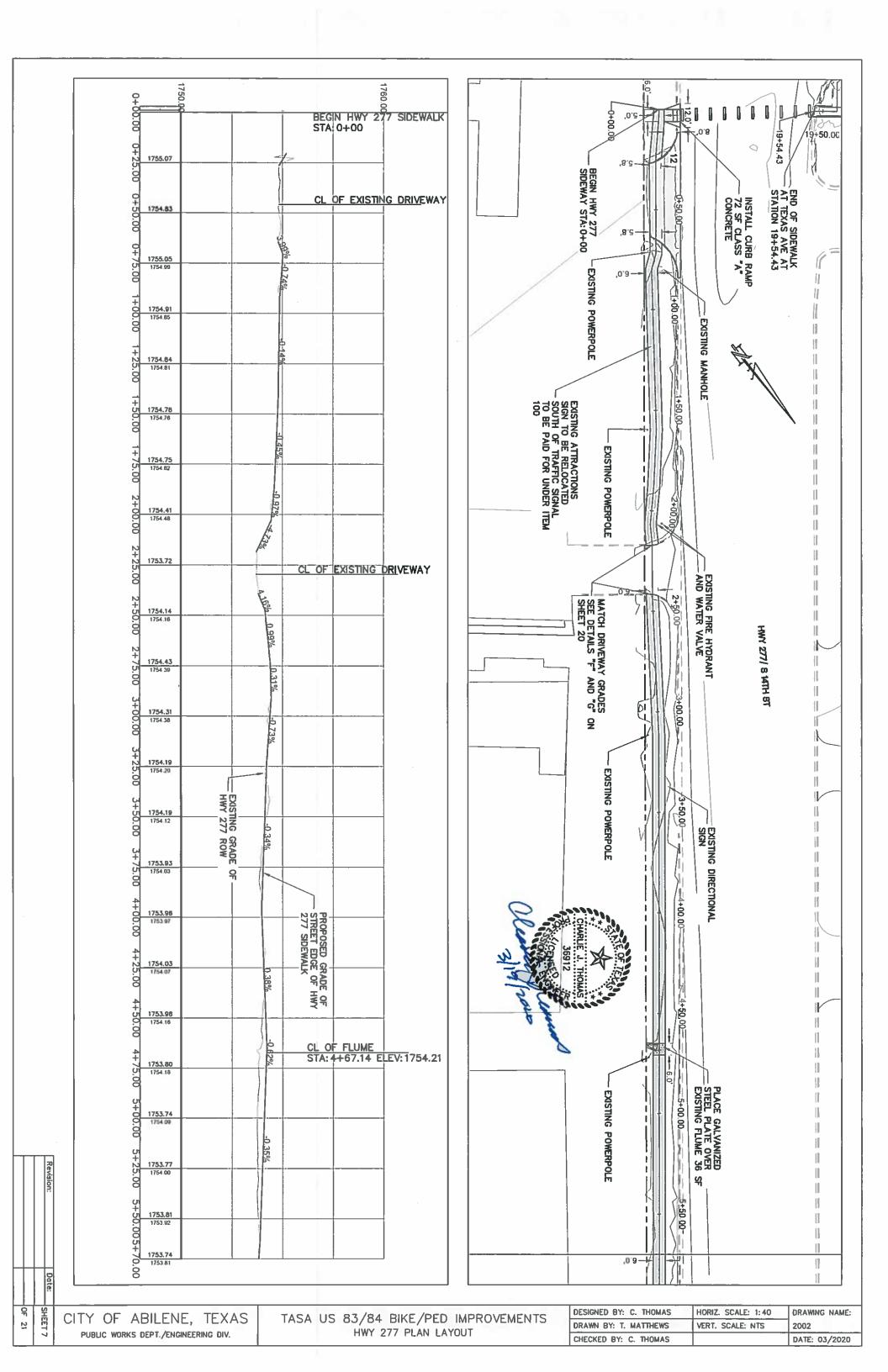
Ì	DESIGNED BY: C. THOMAS	HORIZ. SCALE: NTS	DRAWING NAME:
Į	DRAWN BY: T. MATTHEWS	VERT. SCALE: NTS	2002
1	CHECKED BY: C. THOMAS		DATE: 03/2020

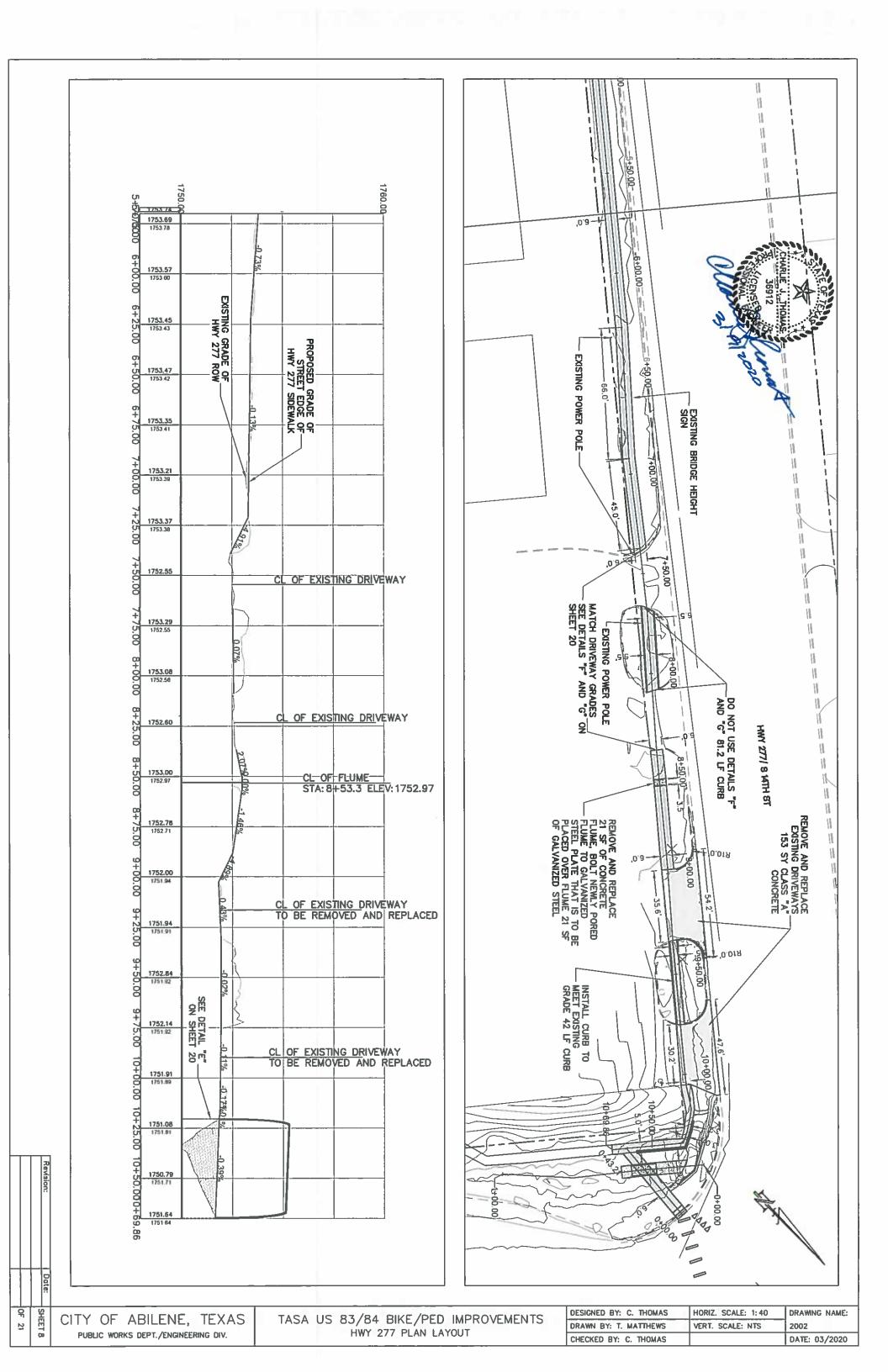


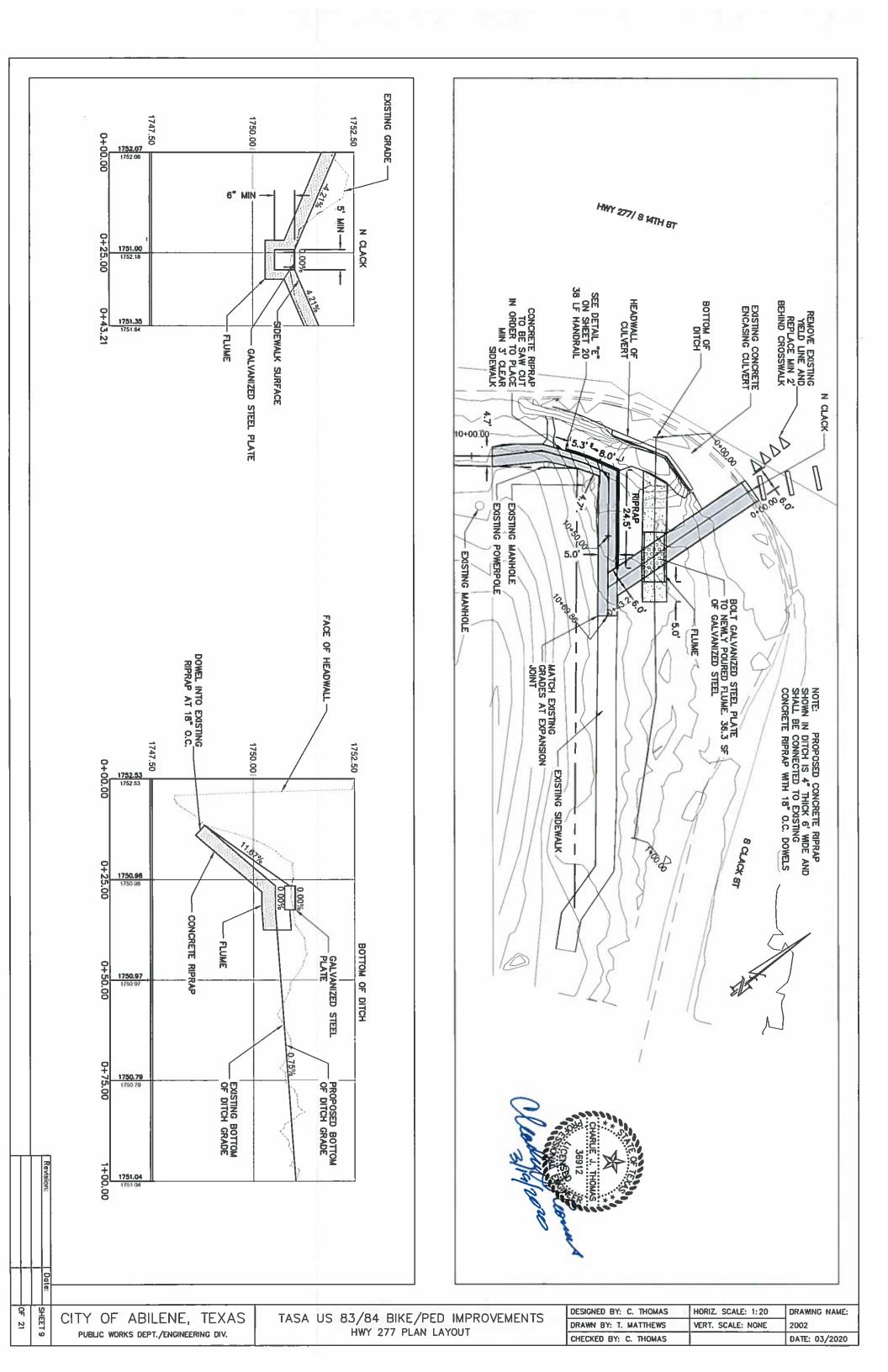


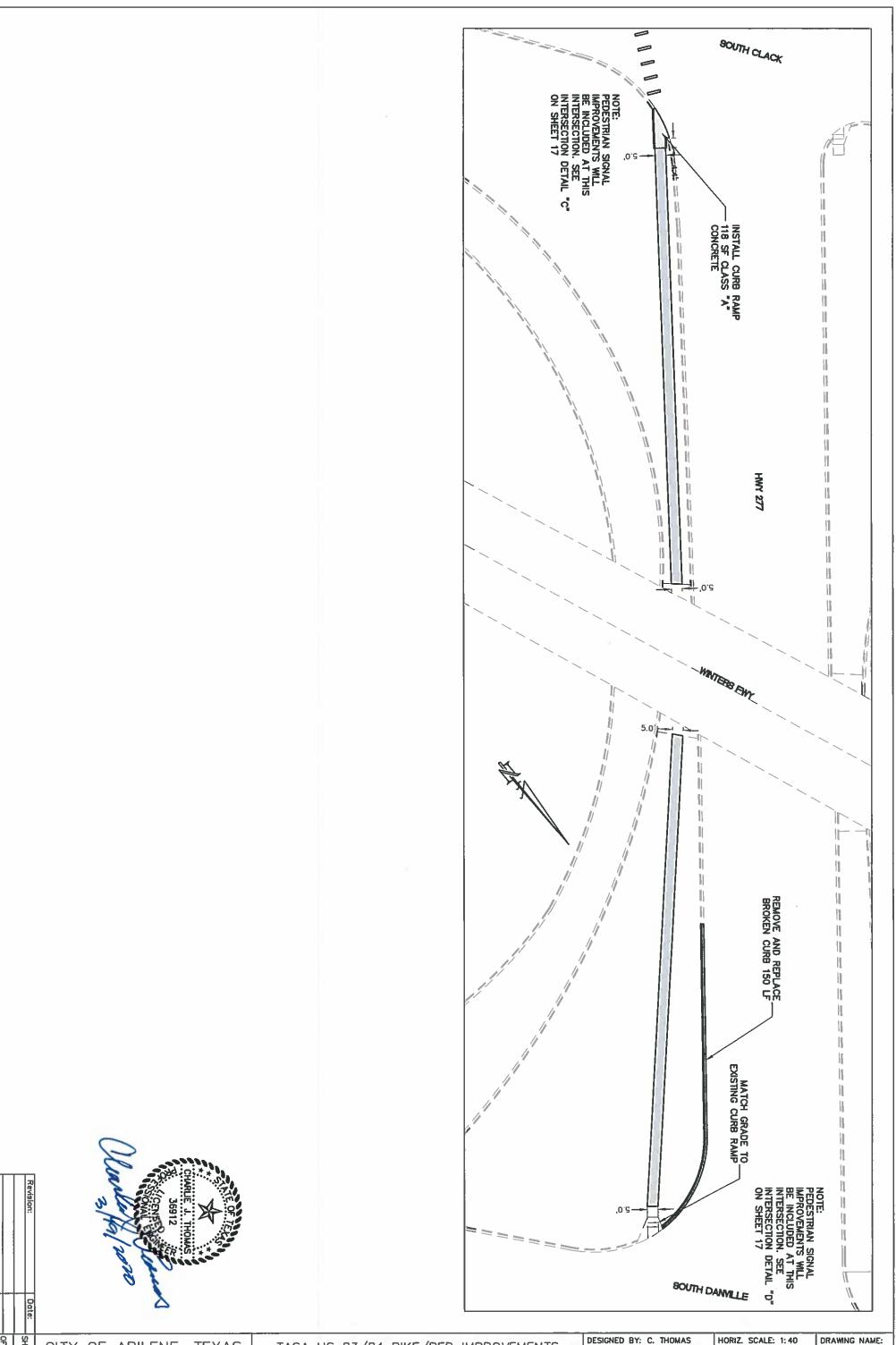
DATE: 03/2020









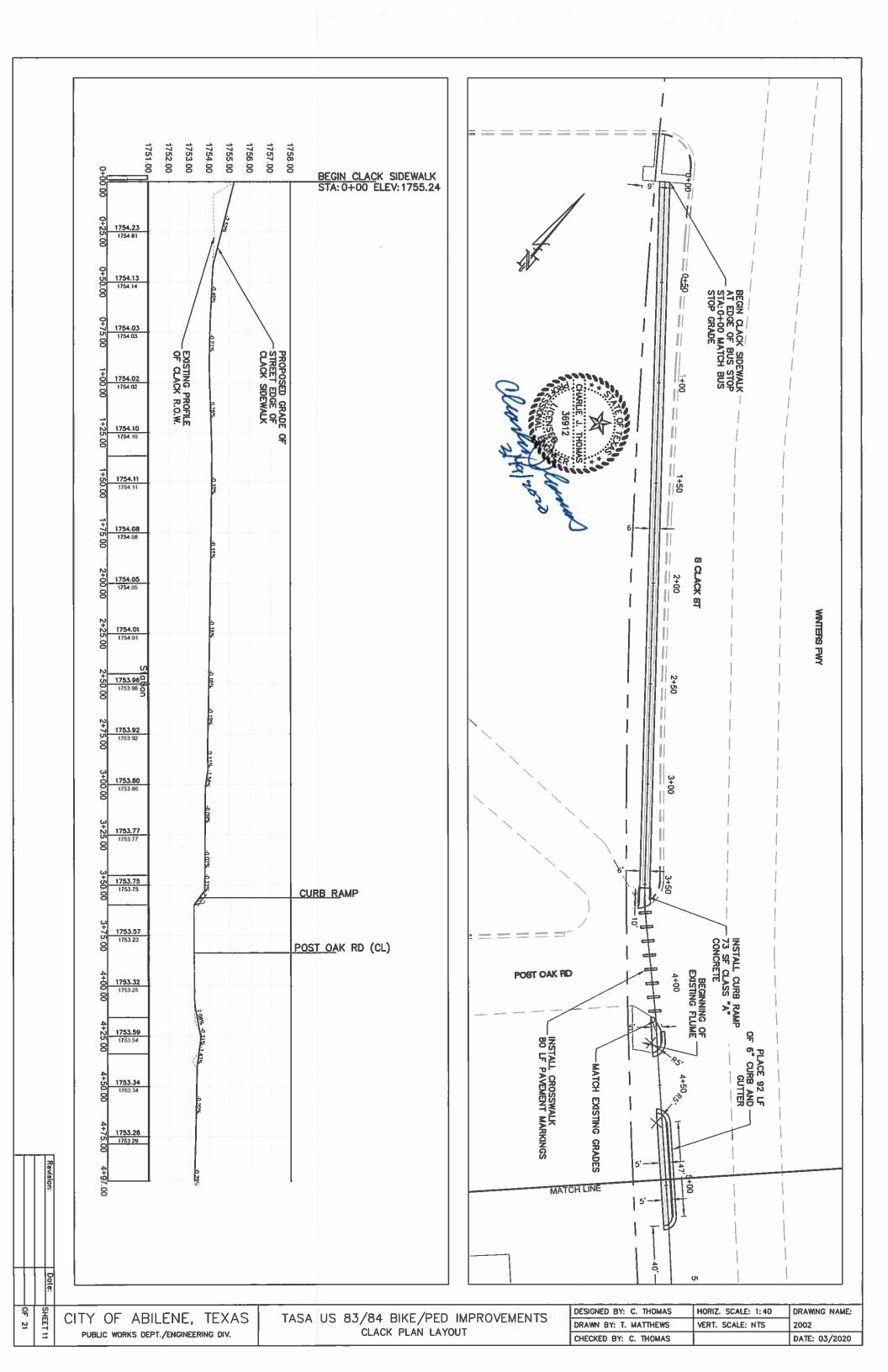


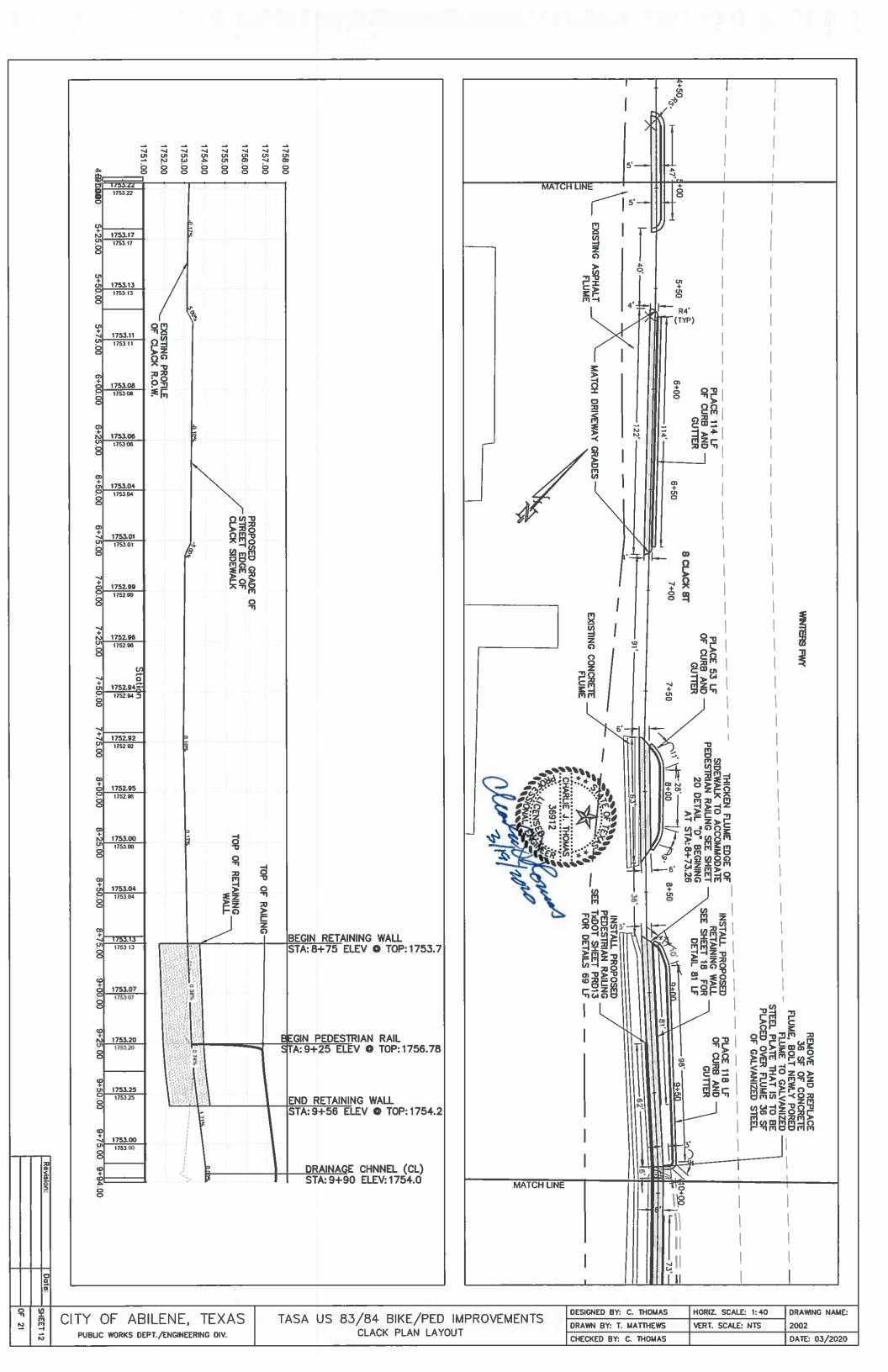
SHEET 10 OF 21

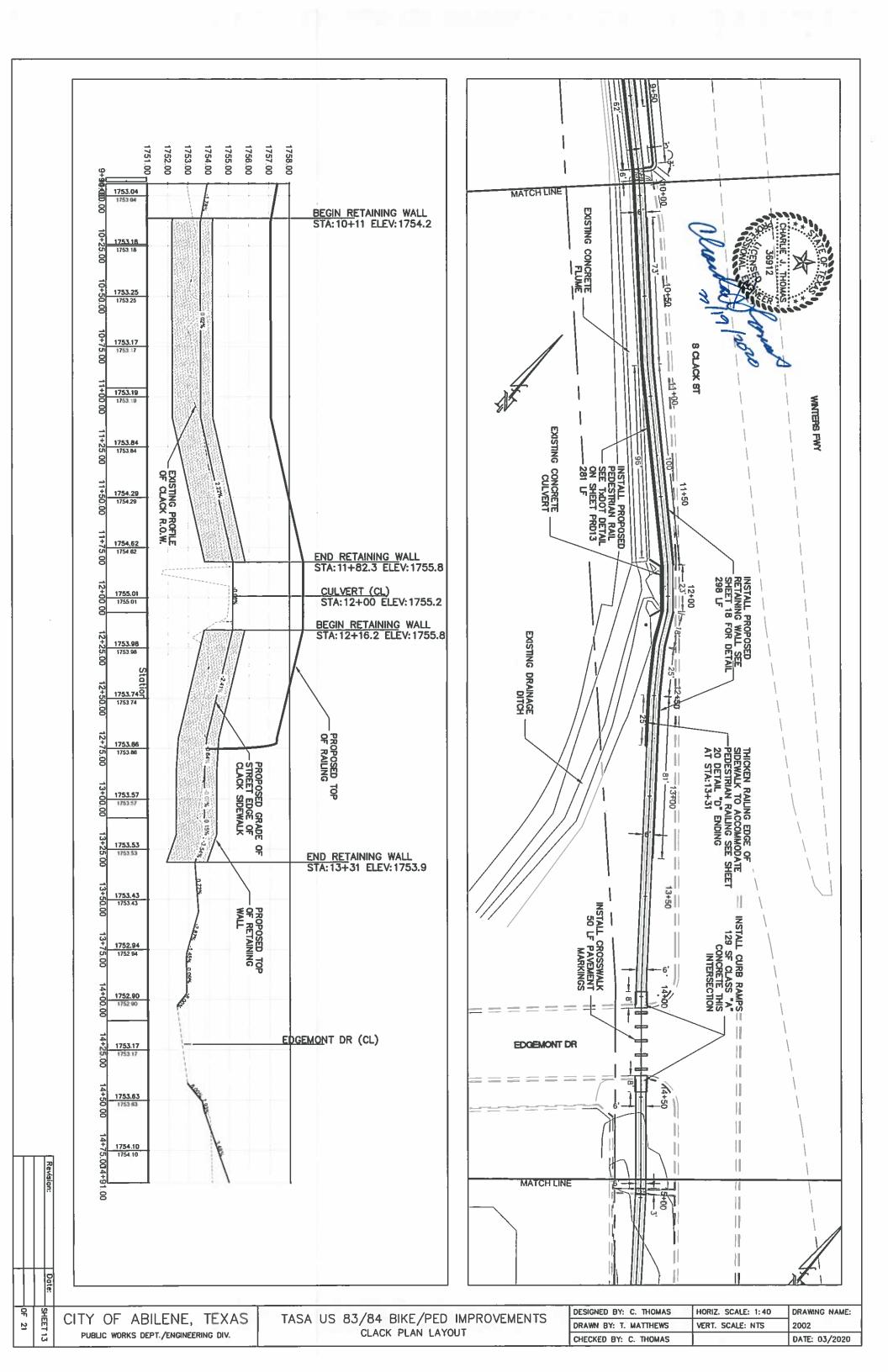
CITY OF ABILENE, TEXAS PUBLIC WORKS DEPT./ENGINEERING DIV.

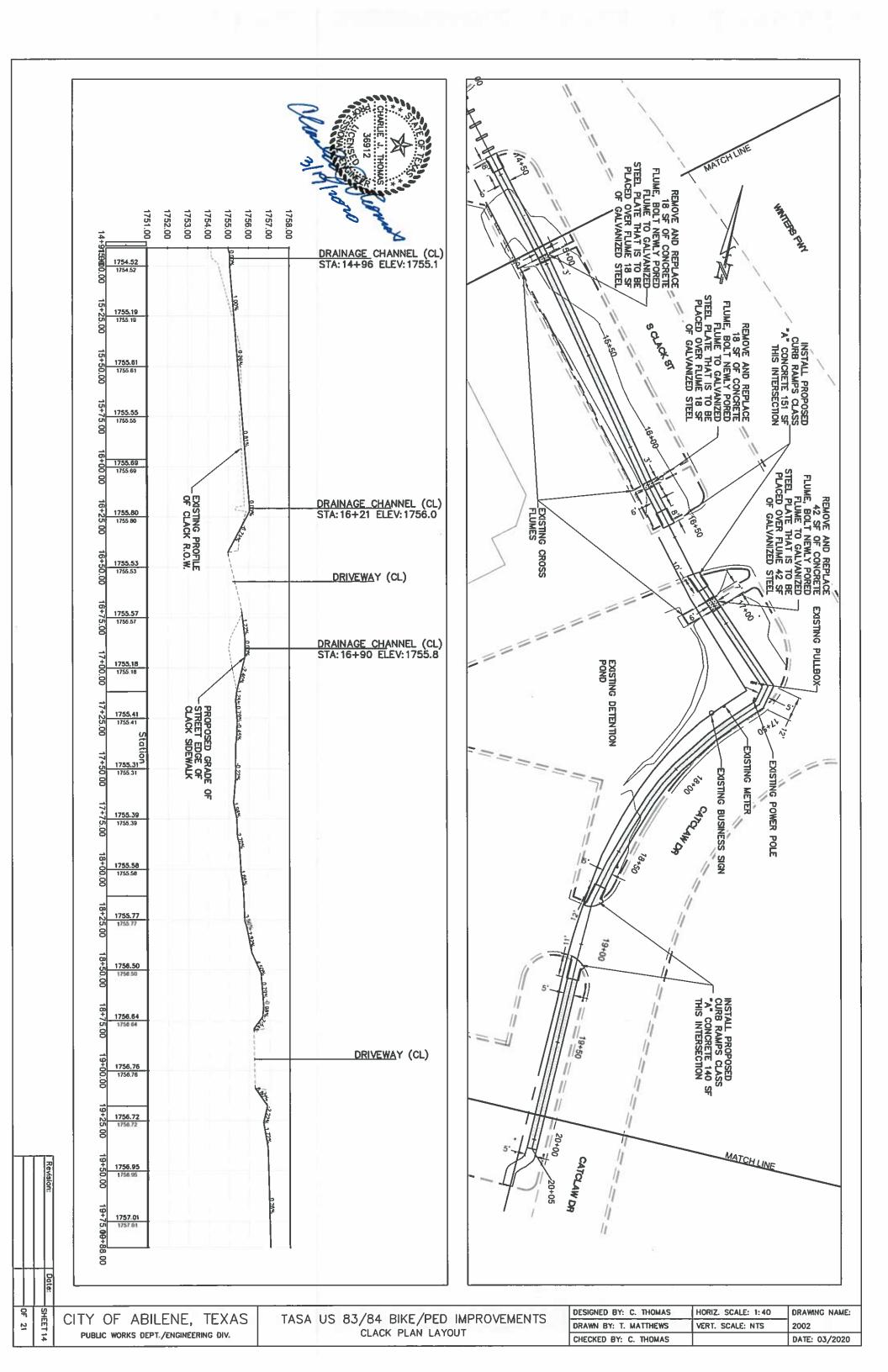
TASA US 83/84 BIKE/PED IMPROVEMENTS PLAN LAYOUT

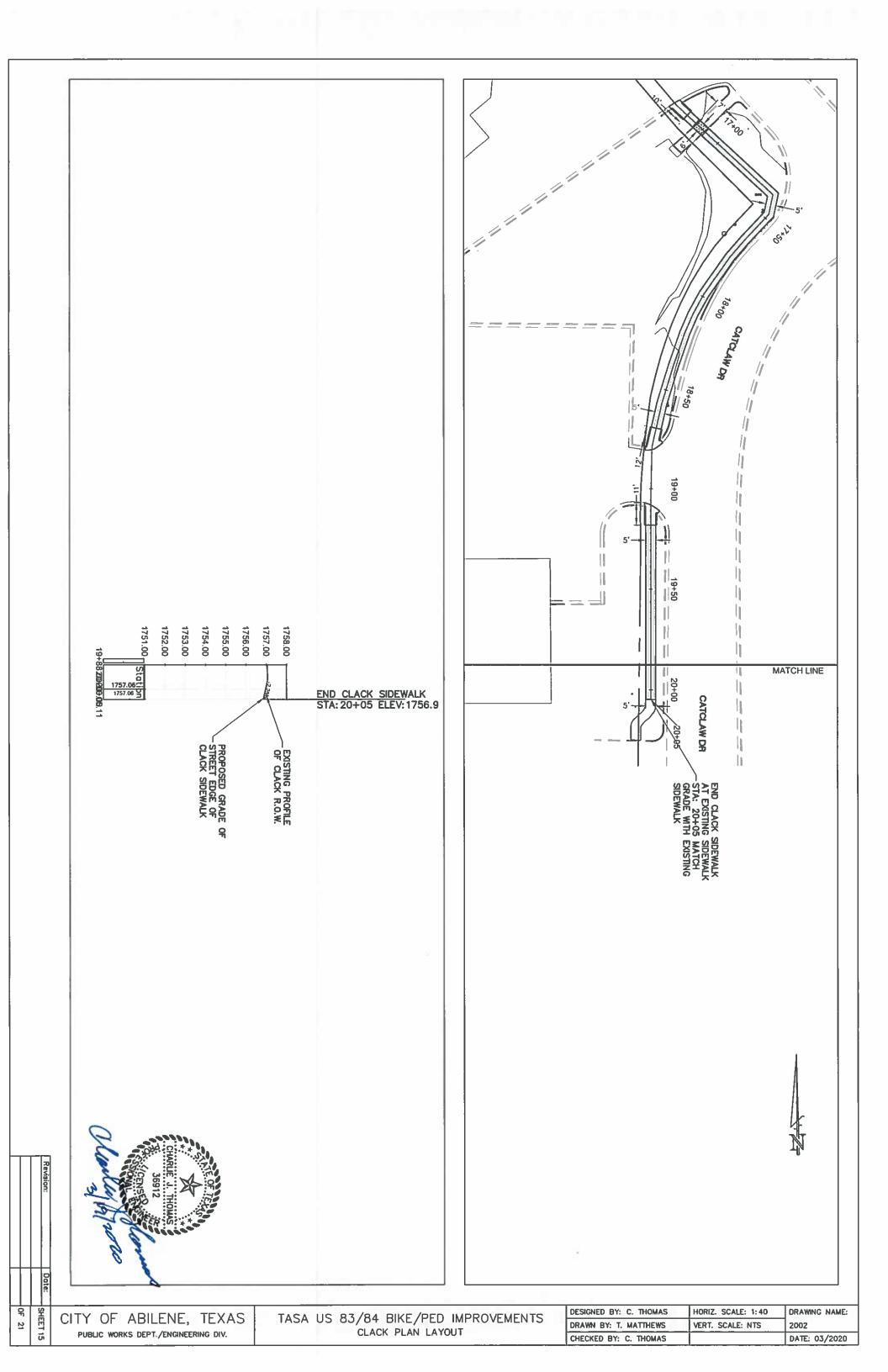
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DRAWN BY: T. MATTHEWS VERT. SCALE: NONE 2002
CHECKED BY: C. THOMAS DATE: 03/2020

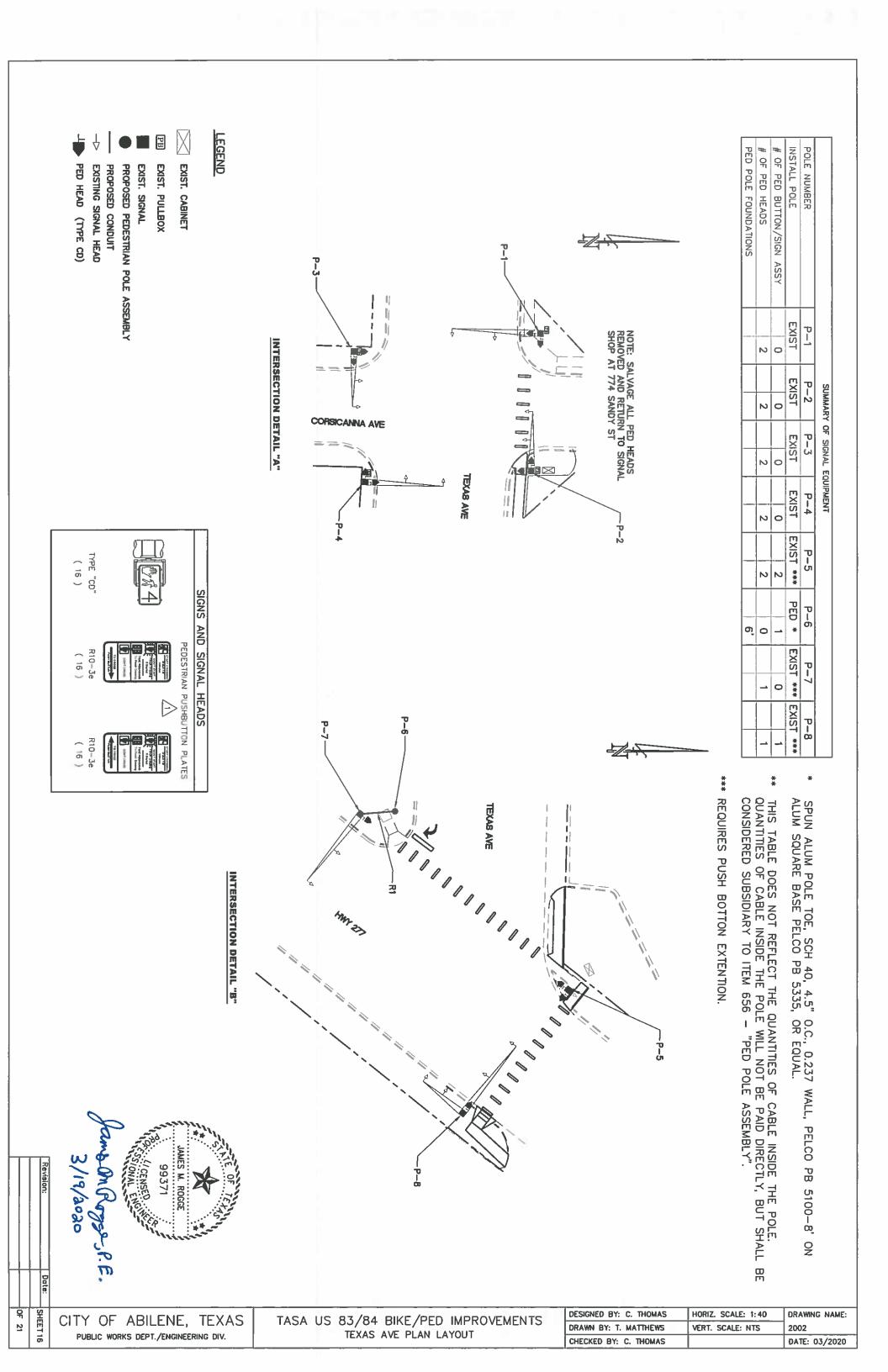


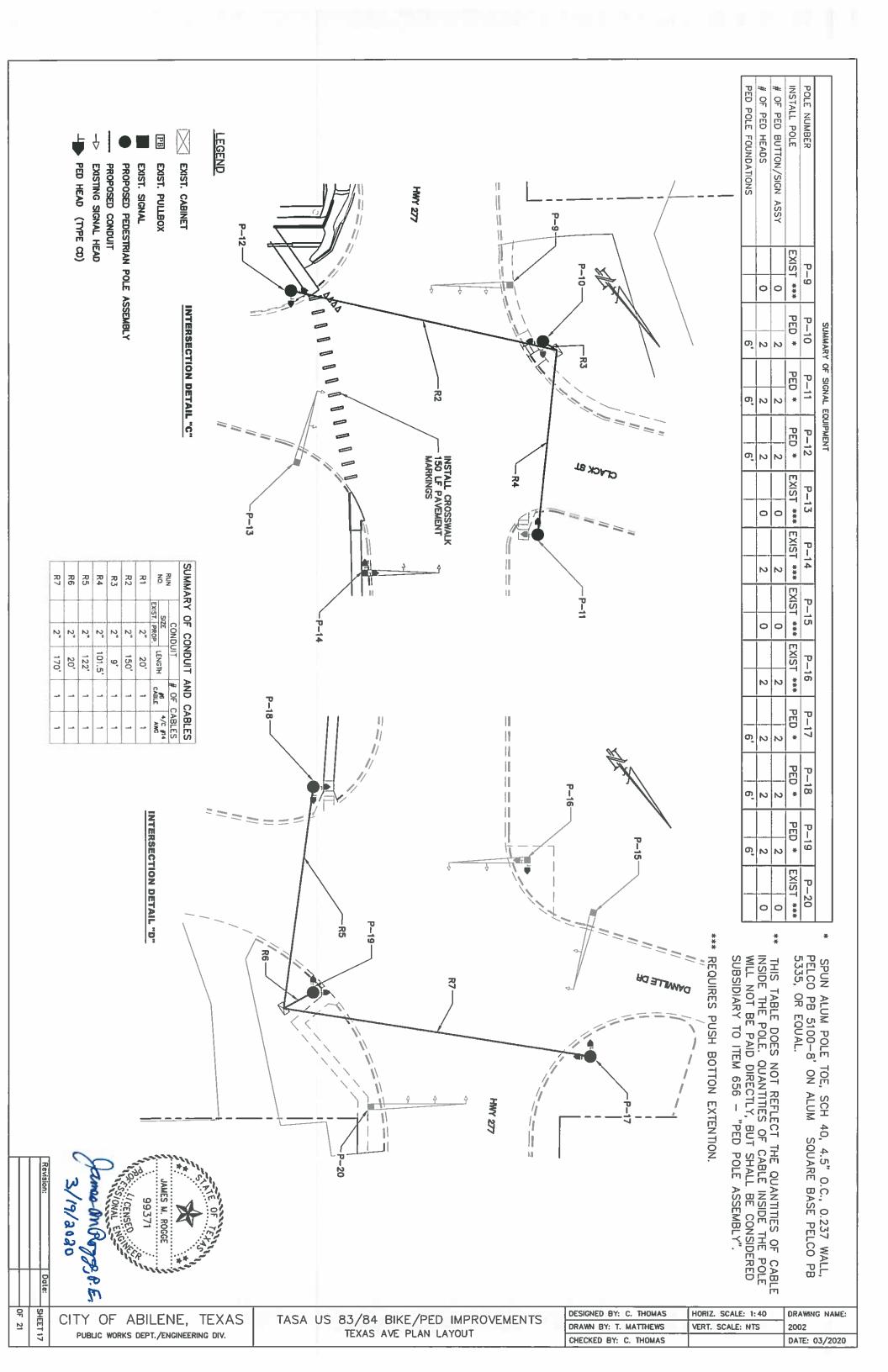


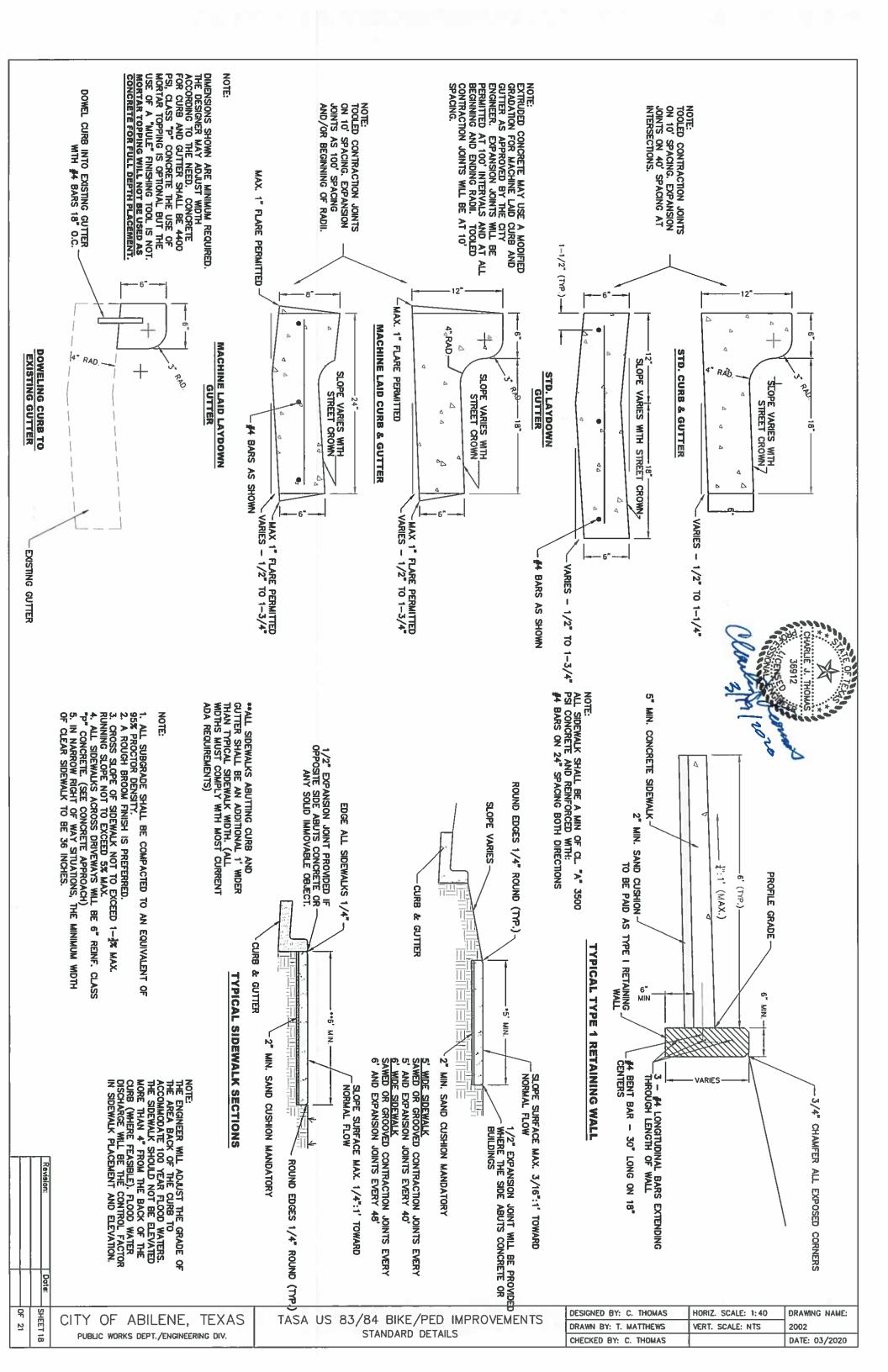


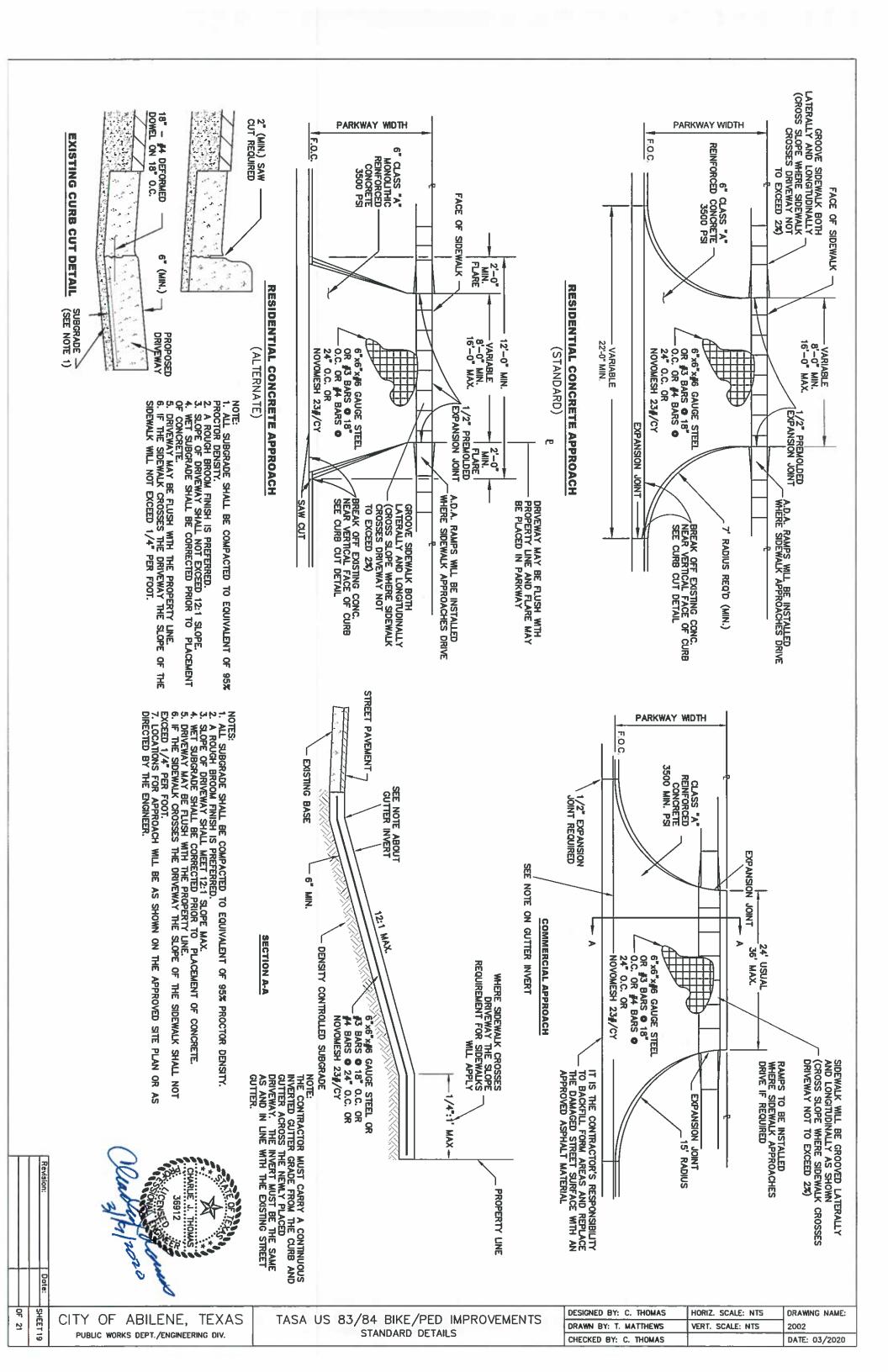


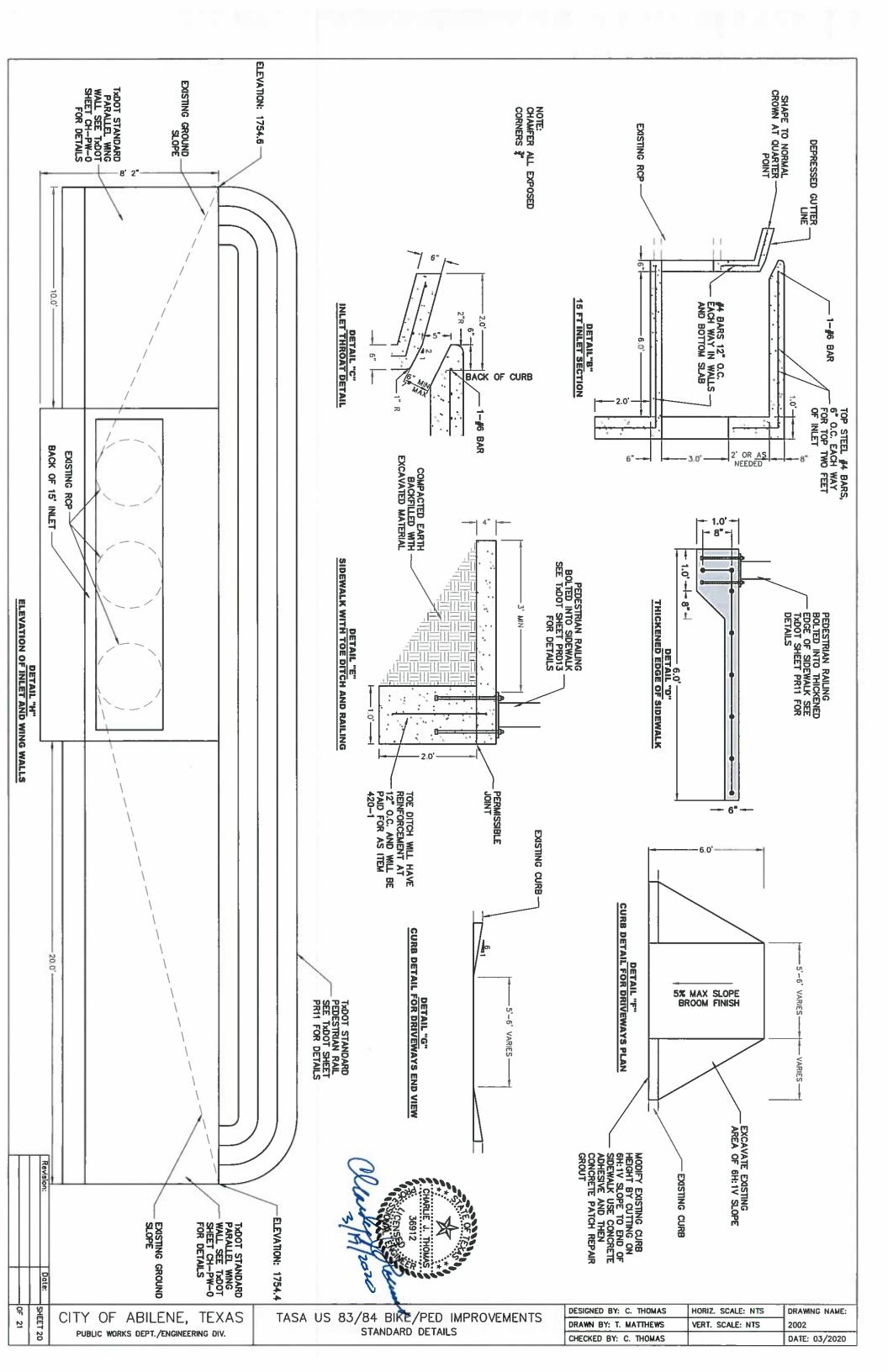












TRAFFIC CONTROL PLAN

Control Devices for Streets and Highways (Part VI). Before work begins, the Traffic Control Plan has to be approved in writing by the Engineer. The approved plan will then become a part of The Contractor on this project will be required to submit a traffic control plan for each phase of this project. This plan will be in written or picture form and will be in compliance with the latest version of the Texas Manual on Uniform Traffic

for approval. Any deviation from the approved Traffic Control Plan will void the acceptance of that plan and a corrected version will be submitted

No work will be performed until the Traffic Control Plan has been presented to the City of Abilene and has been approved in writing by the Engineer.

Any pedestrian routes that are affected by this project will require the same approval process as traffic. Pedestrian traffic that is moved from its normal path will be protected by an approved traffic control plan.

The Traffic Control Plan must have the following elements:

- 1. Carry two way traffic at all times.
- Work on one half of the street at a time.
- When work is performed across intersecting streets, handle traffic with flagmen or close street temporarily.
- All driveways will open the same day they are closed, approved otherwise.

4

- No residences will be denied access.
- It is the Contractors responsibility to inform the residents a week in advance as to their plans.

 This will be done in writing and presented to the owner.
- At the end of each day, the Contractor will make an inspection of the work area and correct all deficiencies that may exist in the work area as well as construction signs.
- (C.R.P.) to work with Inspection Services and to see that the Traffic Control Plan is adhered to. This C.R.P. will be designated in writing and presented at the Preconstruction Conference. The Contractor will name a Contractor's Responsible Person
- When the job requires flagmen to control the traffic, that flagman will be equipped with a white hard hat and legal reflective vest as well as a legal traffic control paddle to direct traffic. The flagman will be a person that can clearly communicate with the motorists.

GENERAL TRAFFIC NOTES

- traffic around and/or through all areas of work activity, detours and other potentially hazardous locations as required by the plans. Appropriate standard traffic control devices shall be used within the project limits to adequately warn, advise, control and guide 4" BAND WDTHS WITH ALTERNATING ORANGE AND WHITE hin RETROREFLECTIVE MATERIAL
- The traffic control devices used in the illustrations are examples only. Field conditions shall dictate the most appropriate traffic control devices to be used within a construction project.

2" SPACING BETWEEN BANDS

CONE

PLASTIC

DRUM

- Traffic control devices shall be in place only while work is actually in progress or a definite need exists.
- Flashing warning lights and/or flags may the early warning signs. be used to call attention
- Devices used in a series for channelization purposes shall be supplemented with steady burn lights or delineators at night as

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- illuminated. All traffic control devices used at night shall be reflectorized or

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- Formulas for taper are: $L = \frac{WS^2}{60}$ L = WxS for speeds of 45 for speeds of 40 MPH or less MPH or greater

CONCRETE

MEDIAN

BARRIER

24"

WARNING LIGHT

7

Where: L = minimum length of taper
S = numerical value of posted speed limit prior to work
or 85 percentile speed

W = width of offset

Upstream topers The taper types and the lengths of taper are oper length

20"

20

Merging

Shoulder

1/2 L min. 1/3 L min. 1/3 max.

100' min.

The maximum spacing between channelizing devices in a taper section shall be approximately equal in feet to the speed limit. The maximum spacing between channelizing devices in a tangent section shall be approximately equal in feet to 2 to 2-1/2 times the speed

CHANN

JAKL

III BARRICADE

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Downstream tapers

Two way traffic

Θ All distances and spacings shown are approximate. Field adjustment may be necessary for some signs and traffic control devices. All adjustments will be approved by the Engineer.

DETOUR

DETOUR

DETOL

둚

M4-95



2015 BOND ELECTION SIGN REQUIRED ON ALL BOND PROJECTS

** SUGGESTED LENGTHS MAY NEED TO BE INCREASED DEPENDING ON FIELD CONDITIONS AND GEOMETRY OF THE ROAD.

POSTED SPEED OR 85% SPEED (MPH) TABLE MINIMUM DISTANCE (FEET)

R4-88 R4-78

620-2a

R11-2

R3-7R

R3-7L

ROAD CLOSED TO THRU TRAFFIC

OBSERVE WARNING SIGNS STATE LAW

NAME ADDRESS CITY STATE

BUFFER AREA LENGTH **
(FEET)

TABLE 1

CONTRACTOR

R11-3a

R11-4

R20-3

544333

170 170 220 280

120 160 240 320

WARNING SIGNS

CW20-7D

CW20-7A

CW21-4D

CW6-3

CW20-5DR

CW20-5DL

CW4-1aR

CW4-1aL

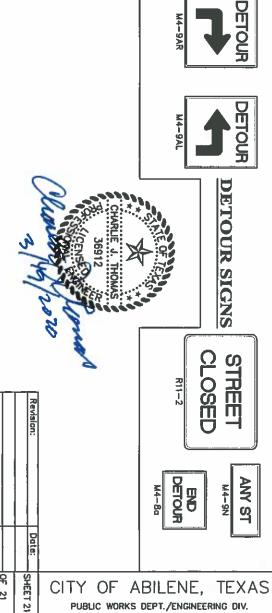
POSTED SPEED

A WORLD

DAD WORK

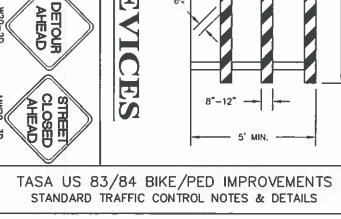
CLOSED ROAD

RIGHT LANE MUST TURN RIGHT



CITY OF ABILENE, TEXAS PUBLIC WORKS DEPT./ENGINEERING DIV.

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· +m/12

TURNING SPACE

RAMP

CURB RAMPS

install a curb ramp or blended transition at each pedestrian street crossing.

GENERAL

NOTES

- All slopes shown are maximum allowable. Cross slopes of 1.5% and lesser running should be used. Adjust curb ramp length or grade of approach sidewalks as directed.
- Maximum allowable cross slope on sidewalk and curb ramp surfaces is 2%.

μ

- ۵ The minimum sidewalk width is 5'. Where the sidewalk is adjacent to ta 6' sidewalk width is desirable. Where a 5' sidewalk cannot be proviconstraints, sidewalk width may be reduced to 4' for short distances. 5'x 5' passing areas at intervals not to exceed 200' are required. be provided # S site
- furning Spaces shall be 5'x 5' minimum. Cross slope shall be maximum

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- ņ Clear space at the bottom of curb ramps shall be a minimum of $4^{\prime}\times4^{\prime}$ wholly contained within the crosswolk and wholly outside the parallel vehicular travel path.
- Provide flored sides where the pedestrian circulation path crosses the curb ramp. Flored sides shall be sloped at 10% maximum, measured parallel to the curb. Returned curbs may be used only where pedestrians would not normally walk across the ramp, either because the adjacent surface is planted, substantially obstructed, or otherwise protected.
- Additional information on curb ramp location, design, light reflective value and texture may be found in the latest draft of the Proposed Guidelines for Pedestrian Facilities in the Public Right of Way (PROWAG) as published by the U.S. Architectural and Transportation Barriers Campliance Board (Access Board).
- 9 To serve as a pedestrian refuge area, the median should be a minimum of 6' wide, measured from back of aurbs. Medians should be designed to provide occessible passage over or through them.
- <u>.</u> Small channelization islands, top of curb ramps, shall be co on islands, which do not provide a minimum 5×5 , landing at shall be cut through level with the surface of the street. the
- Crosswalk dimensions, crosswalk markings and stop bar locations shall be as shown elsewhere in the plans. At intersections where crosswalk markings are not required curb ramps shall align with theoretical crosswalks unless otherwise directed. required,
- 2 Provide curb ramps to connect the pedestrian access route at each pedestrian street crossing. Handraits are not required on curb ramps.
- 3 "Sidewalks". romps and landings shall be constructed and paid for in accordance with Item 531
- 14 Place concrete at a minimum depth of 5" otherwise directed. for ramps, flares and landings, unless
- Ş Furnish and install No. 3 reinforcing steel bars at 18" o.c. unless otherwise directed. both ways,
- 6 Provide a smooth transition where the curb ramps connect to the street.
- 17. Curbs shown on sheet I within the limits of payment are considered part of the curb ramp for payment, whether it is concrete curb, gutter, or combined curb and gutter.

SIDE FLARE

WITH TRUNCATED DOMES PREFABRICATED DETECTABLE WARNING PANEL

8. Existing features that comply with applicable standards may remain in place unless otherwise shown on the plans.

DETECTABLE WARNING MATERIAL

NO. 3 REBAR AT 18" (MAX) ON-CENTER-

CLASS A CONCRETE - SHALL-CONFORM TO APPLICABLE SPECIFICATIONS

CURB RAMP AT DETECTIBLE WARNINGS

SECTION VIEW DETAIL

- 19. Curb romps must contain a detectable warning surface that consists of raised truncated dames complying with PROWAG. The surface must contrast visually with adjoining surfaces, including side flares. Furnish and install an approved cast-in-place dark brown or dark red detectable warning surface material adjocent to uncolored concrete, unless specified elsewhere in the plans.
- 20 Detectable Warning Materials must meet TxDOI Departmental Materials Specification DMS 4350 and be listed on the Material Producer List. Install products in accordance with manufacturer's specifications.
- Detectable warning surfaces must be firm, stable and slip resistant.
- 22 Detectable warning surfaces shall be a minimum of 24 inches in depth in the of pedestrian travel, and extend the full width of the curb ramp or landing pedestrian access route enters the street. where the
- 23. Detectable warning surfaces shall be located so that the edge nearest is at the back of curb and neither end of that edge is greater than 5 back of curb. Detectable warning surfaces may be curved along the cor n 5 feet from the corner rodius.
- 24. Shaded areas on warning surface Sheet 1 of 4 indicate the approximate location for the detectable for each curb ramp type.

DETECTABLE WARNING PAVERS (IF USED)

- Furnish detectable worning pover units meeting all requirements of ASTM C-936, Lay in a two by two unit basket weave pattern or as directed. C+33.
- Lay full-size units first followed by closure units consisting of at least (25%) of a full unit. Cut detectable warning paver units using a power say 25 percent

SIDEWALKS

27.

- Provide clear ground space at operable parts, including pedestrian push buttons. Operable parts shall be placed within unobstructed reach range specified in PROWAG section R406.
- Place traffic signal or illumination poles, ground baxes, drainage facilities and other items so as not to obstruct or clear ground space. the pedestrian access signs, cess route
- Street grades and cross slapes shall be as shown elsewhere in the plans.
- Changes in level greater than 1/4 inch are not permitted.

31. 30.

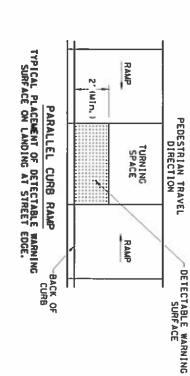
- The least possible grade should be used to maximize accessibility. The running slope of sidewalks and crosswalks within the public right of way may follow the grade of the parallel roadway. Where a continuous grade greater than five percent (5%) must be provided, handrails may be desirable to improve accessibility. Handrails may also be needed to protect pedestrians from potentially hazardous conditions. If provided, handra shall comply with PROWAG R409.
- Handrail extensions shall not protrude into the usable landing pedestrian routes. orea ٩ into intersecting

32.

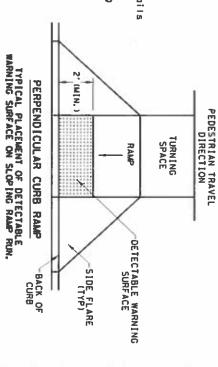
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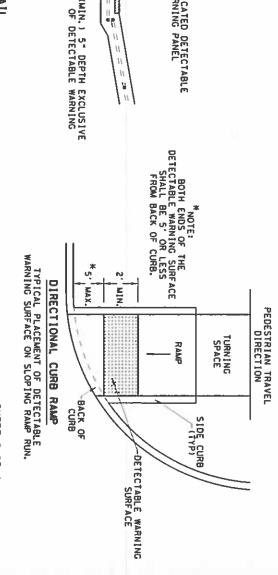
- Driveways and turnouts shall be constructed and paid for "Intersections, Driveways and Turnouts". Sidewalks shall in accordance with item, "Sidewalks". in accordance with Item be constructed and paid ġ
- Sidewalk details are shown elsewhere in the

34.



DETECTABLE WARNING SURFACE DETAILS

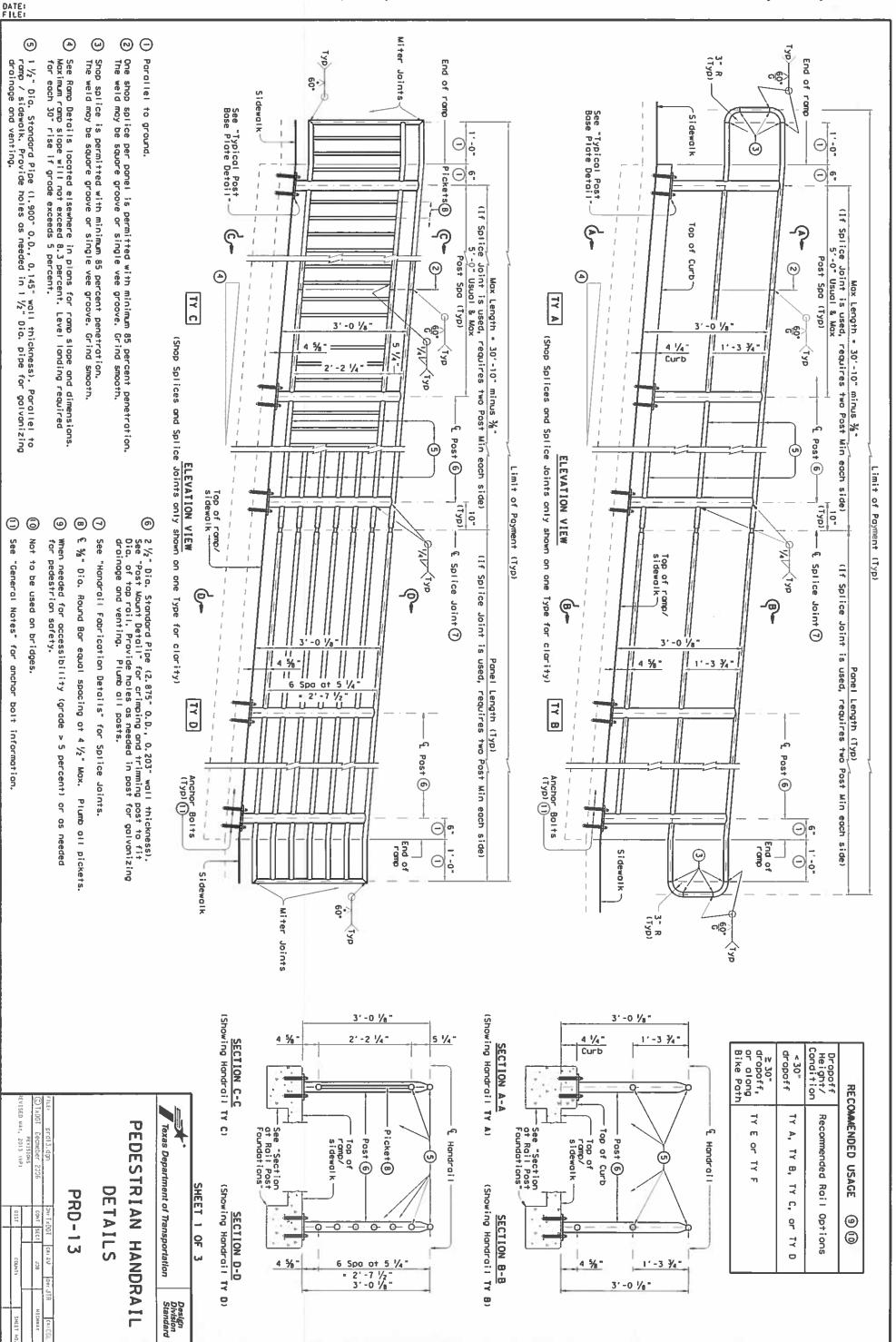


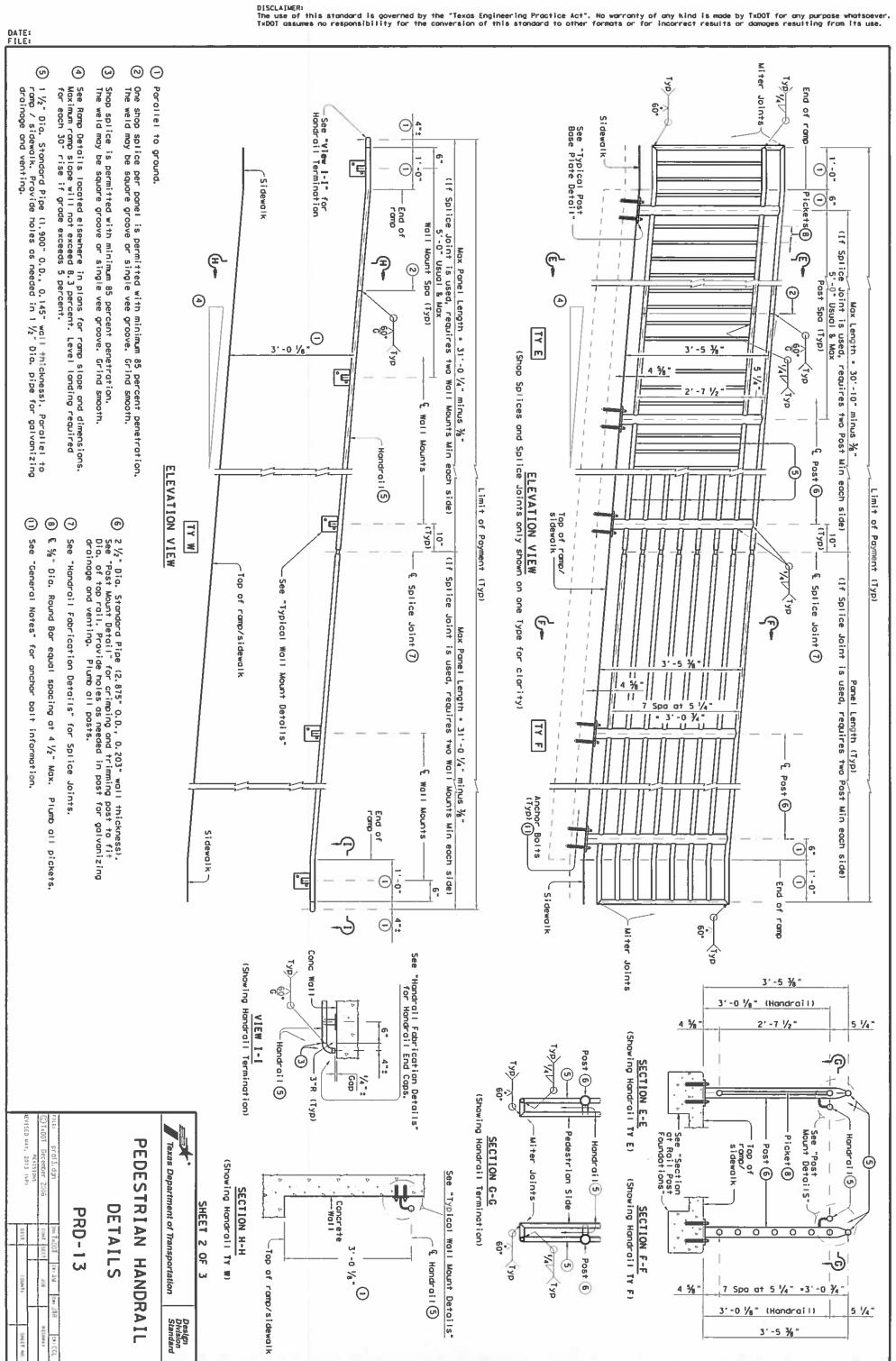


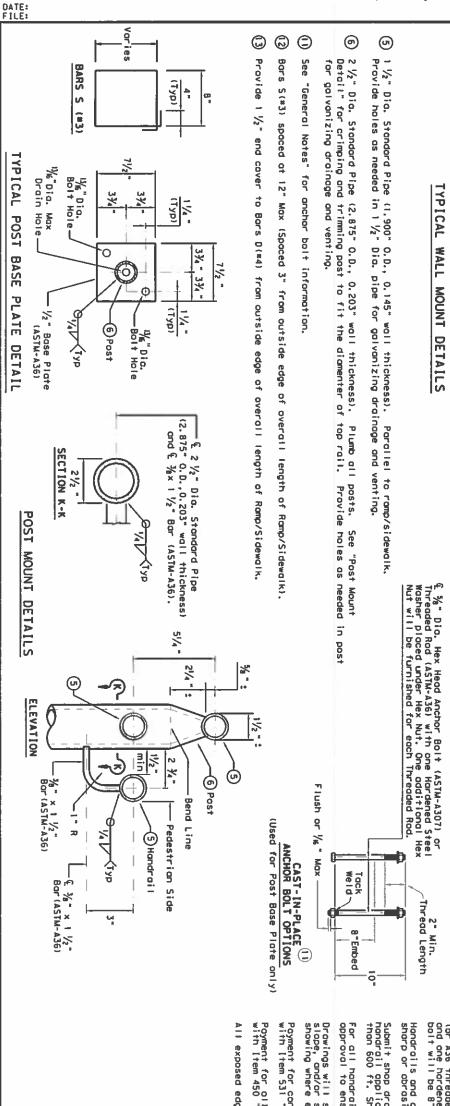
# [LE: pedi8 DHT::00T DH:T::00T DH:T::00T	PED-18	CURB RAMPS	PEDESTRIAN FACILITIES	Texas Department of Transportation	SHEET 2 OF 4
CH PK L JG			IES	Design Division Standard	

PEV ISED CB. 2005 PEV ISED CB. 2012 PEV ISED CI. 2018

Design Division Standard







GENERAL NOTES

PLAN SHOWING RAIL AT

Rano

-Post Spa 5'-0" Max (Typ)

Pos+

Post Spacing 5'-0" Max SINGLE-LEVEL RAMP

TI-LEVEL RAMP Spacing 5'-0" Wax

RAMP CONDITIONS

Past at point of tangent

Romp

Landing

Post Spa 5"-0" Max

Romp

Landing

Post 5'-0

Spa Max

Cont invous—

Code, and AASH ding to ADAAG, Texas Accessibility Standards, Uniform Building TO LRFD Specifications.

Handrail anchorage details shown on this standard may require modification for select structure types. See appropriate details elsewhere in plans for these modifications.

Pipe will conform to ASIM-A53 Grade B or A500 Grade B. Steel plotes and steel bars will conform to ASIM-A36. Mechanical tubing (MI) will conform to ASIM 4513 Grade 1015 or higher. Golvanize all steel components except reinforcing steel unless noted otherwise.

6 Post

(Typ)

2" Bolt

4 1/4.

Curb

(Typ)

Concrete for foundations will be in accordance with Item 531 "Sidewalks". All reinforcing steel must be Grade 60. Bar lops, where required, will be as follows: Uncoated ~ #4 • 1'-5" Epoxy coated ~ #4 = 2'-1"

When the plans require painted steel, follow the requirements for painting golvanized steel in Item 446, "Cleaning and Painting Steel". Sleeve Members will receive galvanization and only get field painted after installation unless directed otherwise by Engineer. Epoxy Anchor baits for wall mount and post base plate will be 3/4" Bia. ASTM A36 threaded rods with one hex nut and one hardened steel washer at each bolt. 3/4" Bia. threaded rod embedment depth for wall mounts is 3 1/2" and embedment depth for post base plate is 5".

Embed threaded rethe requirements odnesive with the core drill holes rods into concrete with a Type III (Class C) epoxy meeting ts of DMS-6100, "Epoxies and Adhesives". Mix and dispense the manufacturer's static mixing nazzle/dual cartridge system.

WITH CURB

7

(Typ)

At the contract or's option the post bose plate anchor bolts may be tamp/Sidewalk (See Cast-in-Place Anchor Balt Options).

Optional cast-in-place anchor balts will be % Dia ASTM A307 Grade A balts (or A36 threaded rods with one tack welded hex nut each) with one hex nut and one hardened steel washer at each balt. Embedment depth of cast-in-place balt will be 8" for post base plate.

any wall or other surface adjacent to them will be free of any ive elements.

Submit shop drawings to the Engineer unless otherwise noted. For curved handrail applications, fabricate the handrail to the curve if radius is less than 600 ft. Shop drawings are required when rail is fabricated to the curve. ils, erection drawings will be submitted to the Engineer for sure proper installation.

narete sidewalks or ourb ramps will be paid for in accordance "Sidewalks". show handrail mount locations with bolts setting, spacing, ramp splice joint locations, and handrail lengths with identification each handrail goes on the layout.

All exposed edges will be rounded or chamfered to approximately V_0^* by grinding.) items shown is to be included in unit price bid in accordance "Railing" of the type specified.

Texas Department of Transportation SHEET 3 OF

DETAILS PRD-13 PRD-13 PRD-13 PROT December 2006	200	TA TA		JS JS JS JS S	JIR JIR	103 tes
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2 0 2

TABLE OF VARIABLE DIMENSIONS (5) AND QUANTITIES FOR ONE HEADWALL

€ Structure-

W/2

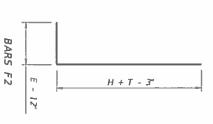
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TABLE OF CONSTANT DIMENSIONS

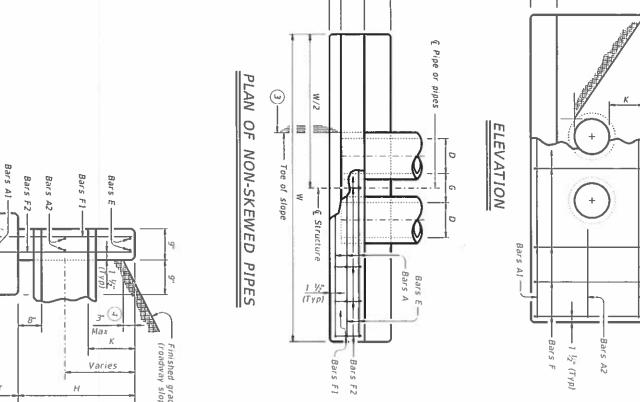
1' = 9"

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	9'-4"		, - O	6' - 7"	5' - 10"	1.			+	il.		18-16	ic ic	1 4	1	2 4	10	1	1	2 - J.	1	1	3-11"		3 - 1"	2" - 8"	- I		- I	g 5-	1	1	6' - 7"	1	1	- [ı.	31111	- 1	2 - 2g	1 1	1	1	i i	-	7' - 6"		2 - 10 · 1	1	1		1		71 - 81	1'-9'	W	Values To Be Added for Each Addt'l Pipe
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- (1) Total quantities include one 3'-1" lap for bars over 60' in length.
- (3) Indicated slope is perpendicular to centerline pipe or pipes. (2) Quantities shown are for concrete pipe and will increase slightly for metal pipe installations.
- 4) For vehicle safety, construct curbs no more than 3" above finished grade. Reduce curb heights, if necessary, to meet these requirements. No changes will be made in quantities and no additional compensation will be allowed for this work.
- (6) Quantities shown are for one structure end only (one headwall). (5) Dimensions shown are usual and maximum.



9"

60 54 18 42

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TABLE OF REINFORCING S

STEEL

6

3-9 A - 6x

5120

Spa

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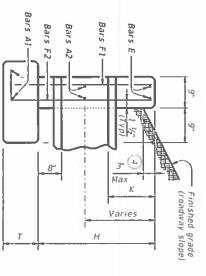
14 14 14 15 15 15 15 15

33

2 - 6"

30" 27" 24

36



GENERAL NOTES:

Designed according to AASHTO LRFD Bridge Design Specifications.

Do not mount bridge rails of any type directly to these culvert headwalfs.

This standard may not be used for wall heights, H, exceeding the values shown.

MATERIAL NOTES:

Provide Grade 60 reinforcing steel,
Provide Class C concrete (f'c = 3,600 psi).

Texas Department of Transportation

Cover dimensions are clear dimensions, unless noted otherwise. Reinforcing dimensions are out-to-out of bars.

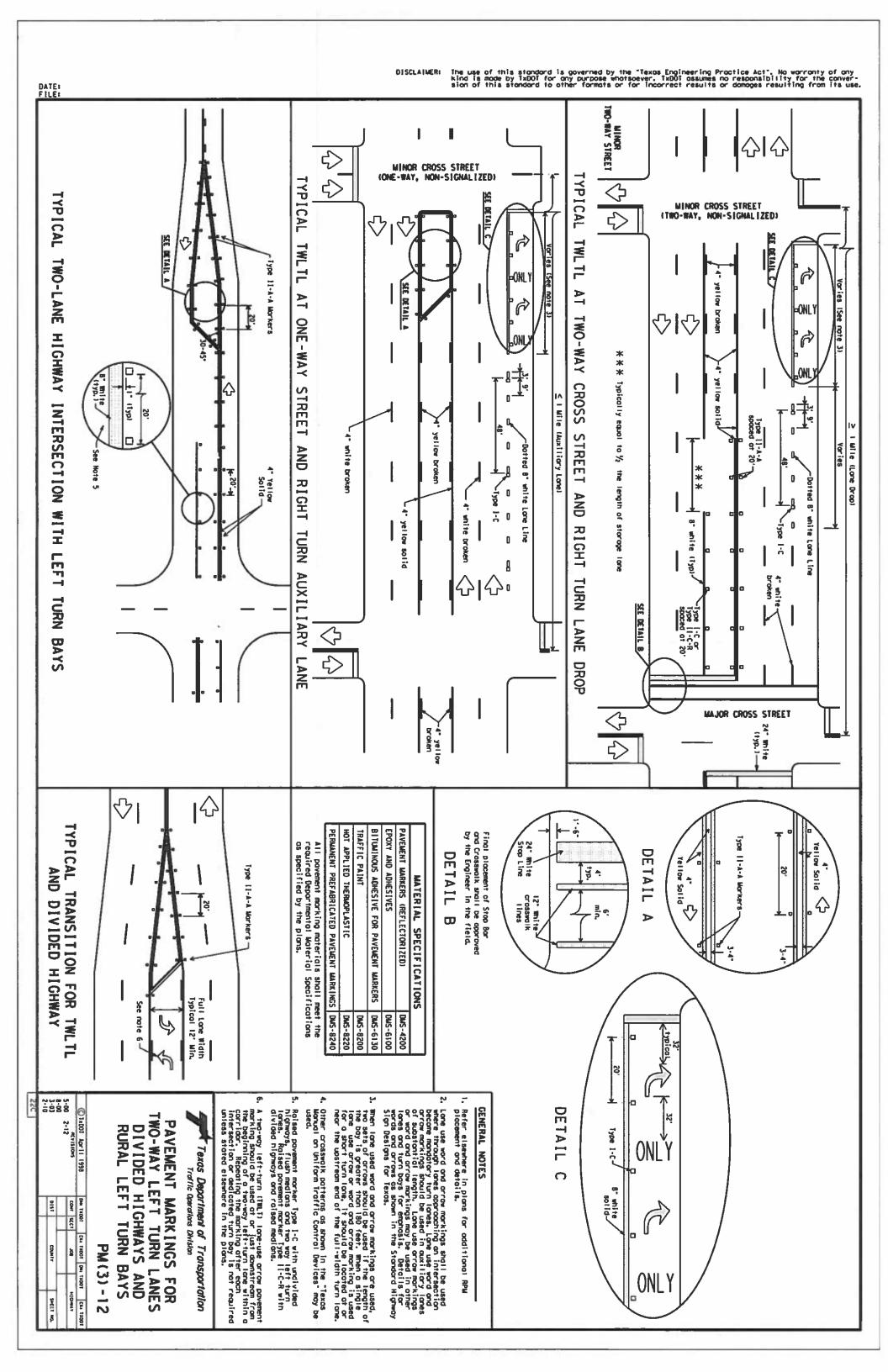
SECTION AT CENTER OF PIPE

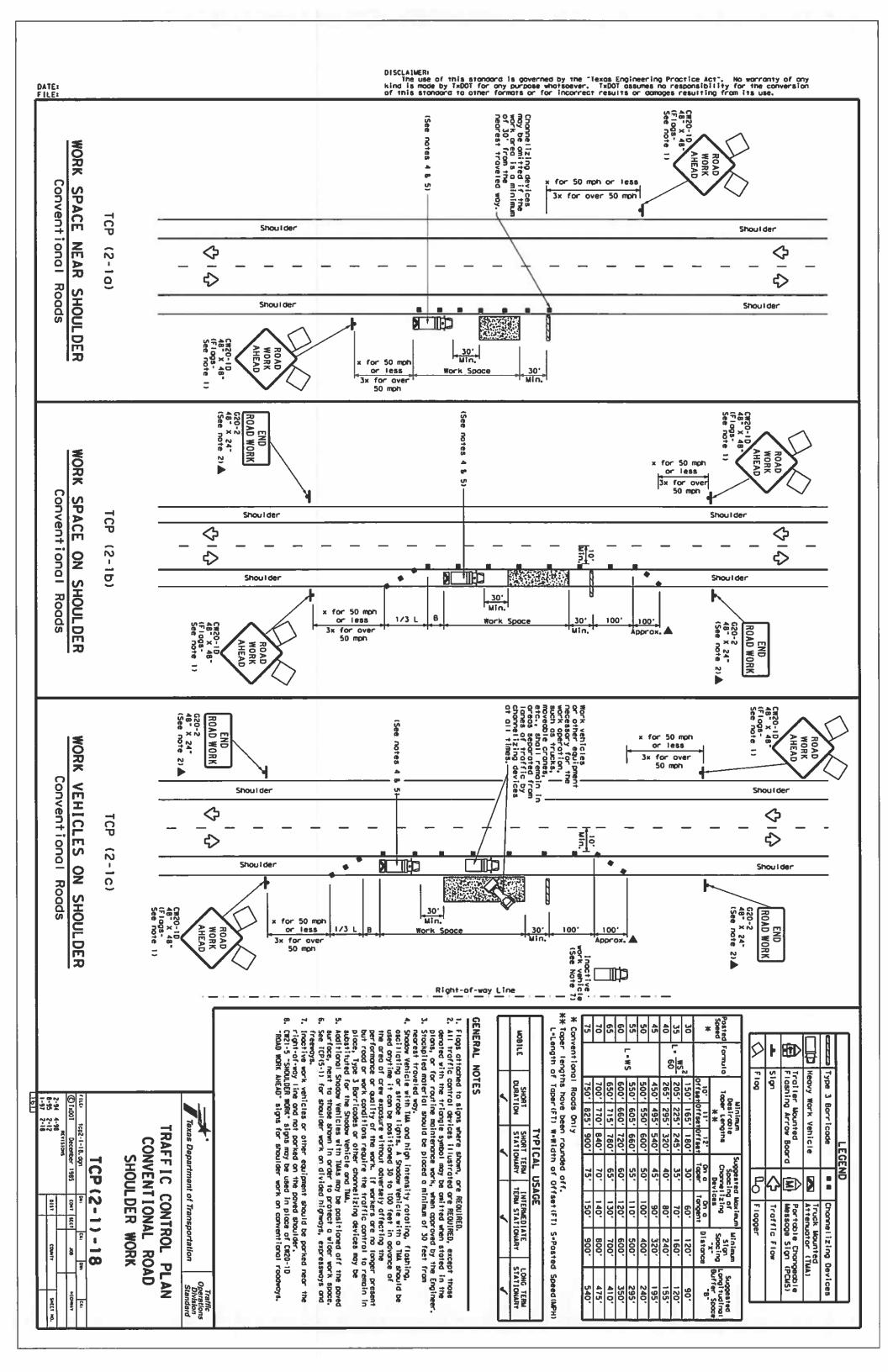
Bridge Division Standard

CONCRETE HEADWALLS

NON-SKEWED PIPE CULVERTS WITH PARALLEL WINGS FOR

SACISIAN	February 2020	chpw0ste-20 dgn	
	1235 2822	DW TIDOT	Ch
	単位単	CE TABOT DW TEDOT	CH-PW-0
	PER BOATE	TADOT CA TADO)





CULTURAL RESOURCES Refer to TxDOT Standard Specifications in the event historical issues Comply with the Hazard VI. HAZARDOUS MATERIALS OR CONTAMINATION ISSUES General (applies to all projects):

and contact the Engineer immediately

STORM WATER POLLUTION PREVENTION-CLEAN WATER ACT SECTION

Maintain an adequate supply of on—site spill response materials, as indicated in the MSDS. In the event of a spill, take actions to mitigate the spill as indicated in the MSDS, immediately. The Contractor shall be responsible for the proper containment and cleanup in accordance with safe products which may be hazardous. Maintain product labelling as required by the Act. Obtain and keep on—site Material Safety Data Sheets (MSDS) for all hazardous products used on the project, which may include, but are not limited to the following categories: provided with personal protective equipment appropriate for any hazardous materials used. making workers aware of compounds or additives. Paints, acids, solvents, asphalt products, chemical additives, fuels and concrete curing hazardous materials by conducting safety meetings prior to beginning construction and 9 Communication Act (the Act) for personnel who will be working with work practices, and contact the District Spill Coardinator Provide protected storage, off bare ground and covered, for potential hazards in the workplace. Ensure that all workers are

Contact the Engineer if any of the following are detected:
d vegetation (not identified as normal)
s, canister, barrels, etc.

- Dead or distressed Trash piles, drums, Undesirable smells o
- Evidence of leachin
- Does the project involve any bridge class structure rehabilitation or

g or seepage of substances

eplacements (bridge Yes class structures not including box culverts)?

T Yes.

then no turn then TxDOT

If "Yes" 15 working days prior the notification, develop abatement/miligation procedures, and perform monagement activities as necessary. The notification form to DSHS must be postmarked at least then TxDO to scheduled demolition. must retain a DSHS licensed asbestos consultant to assist with

Are the results of the asbestas inspection positive (is asbestas present)?

is responsible for completing asbestos assessment/inspection.

Required Action

If "No". scheduled demolition. then TxDOT is still required to notify DSHS 15 working days prior to any

In either case, the Contractor is responsible for providing the date(s) for abatement Any other evidence indicating possible hazardous materials or contamination discovered asbestas consultant in order to minimize construction delays and subsequent claims. activities and/or demotition with careful coordination between the Engineer and

No Action Required Required Action

Hazardous Materials or Contamination Issues Specific to this Project:

 \boxtimes

Action No.

cease work in the immediate

AND

immediate

OTHER ENVIRONMENTAL ISSUES

≦

(includes regional issues such as Edwards Aquifer District, etc.)

Required Action

No Action 70 quired Required Action

ISSUES AND COMMITMENTS ENVIRONMENTAL PERMITS, PED IMPROVEMENTS TASA US 83/84 BIKE, EPIC

N

Action No.

TEXAS STATE Ø exas Department of Transportation CSJ#0908-33-099 PROJECT NO ABILENE TAYLOR SHEET 1 OF 1 HIGHWAY NO N/A SHEET NO. 34

ISTRICT

CONTROL SECTION

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ABBREVIATIONS

or Se

SPCC. Spill Prevention Control and CountermeasureSWSP. Starm Water Pollution Prevention Flan POX. Pre-Construction NotificationPSL: Project Specific LocationTCEQ. Texas Commission on Environmental QualityTPDES. Texas Pallutont Discharge Elimination SystemIPND: Texas Parks and Wildlife Department NODI: Texas Department of TransportationTMS: Threatened and Endangered SpeciesUSACE: U.S. Army Corps of EngineersUSFWS: U.S. Fish and Wildlife Service

SITE DESCRIPTION

PROJECT LIMITS: TEXAS AVE. FROM CORSICANA AVE TO HWY 277
HWY 277 FROM TEXAS AVE TO S DANVILLE DR
S CLACK ST FROM 2626 S CLACK TO CATCLAW DR
CATCLAW DR FROM S CLACK ST TO 2010 CATCLAW DR

PROJECT LOCATION MAPS: TITLE SHEET

DRAINAGE PATTERNS: EXISTING STREETS CARRY WATER TO CREEKS VIA CURB AND GUTTER AND EXISTING

OTHER:

APPROX. SLOPES ANTICIPATED AFTER MAJOR GRADING FOR SIDEWALK PLACEMENT. AND AREAS OF SOIL DISTURBANCE: MINOR REGRADING

MAJOR CONTROLS AND LOCATIONS OF STABILIZATION PRACTICES:

PROJECT SPECIFIC LOCATIONS: S CLACK ST., CATCLAW DR.

SURFACE WATERS AND DISCHARGE LOCATIONS: EXISTING STREETS AND STORM SEWERS

TYPICAL AREAS WHICH WILL NOT BE DISTURBED AREAS WITH EXISTING SIDEWALK.

ENDANGERED SPECIES, DESIGNATED CRITICAL HABITAT AND HISTORIC PROPERTY: EPIC SHEET

ESTIMATED START DATES AND DURATION OF ACTIVITIES 60 WORKING DAYS. DISTURBING ACTIVITIES: AUGUST 2020 IN THE INTENDED SCHEDULE/SEQUENCE OF EARTH-

NATURE OF ACTIVITY: SIDEWALK CONSTRUCTION

MAJOR SOIL DISTURBING ACTIVITIES:

TOTAL AREA TO BE DISTURBED (AT EACH SITE): 0.54 ACRES PROJECT AREA: 2,210 LF IN CITY OF ABILENE RIGHT OF WAY 2,863 LF IN TxDOT RIGHT OF WAY

WEIGHTED RUNOFF COEFFICIENT BEFORE CONSTRUCTION

WEIGHTED RUNOFF COEFFICIENT AFTER CONSTRUCTION:

EXISTING CONDITION OF SOIL & VEGETATIVE COVER:

EXISTING VEGETATIVE COVER:

NAME OF RECEIVING WATERS: ELM CREEK VIA EXISTING DRAINAGE SYSTEMS

FILE:

DATE:

EROSION AND

SEDIMENT

CONTROLS

SSU -<u>i</u> OR "P" IN THE BLANKS BELOW IF APPLICABLE (T= TEMPORARY, P= PERMANENT)

SOIL STABILIZATION PRACTICES:

OTHER MULCHING BUFFER ZONES TEMPORARY SEEDING ס OTHER PERMANENT PLANTING, SODDING, OR SEE PRESERVATION OF NATURAL RESOURCES SOIL RETENTION BLANKET OR SEEDING

DISTURBED AREAS ON WHICH CONSTRUCTION ACTIVITY HAS CEASED (TEMPORARILY OR PERMANENTLY) SHALL BE STABILIZED WITHIN 14 DAYS UNLESS ACTIVITIES ARE SCHEDULED TO RESUME WITHIN 14 DAYS.

ENVIRONMENTAL RELATED ACTIVITIES. DOCUMENTATION DESCRIBING MAJOR GRADING ACTIVITES, TEMPORARY OR PERMANENT CESSATION OF CONSTRUCTION AND STABILIZATION MEASURE IS PART OF THIS SYSTEM AND IS INCORPORATED BY REFERENCE INTO THIS SW3P. RECORD-KEEPING SYSTEM, AS PART OF RECORD FOR PROJECT WORK INCLUDING TRANSPORTATION USES SITEMANAGER, A COMPUTER BASED CONSTRUCTION FOR CONSTRUCTION PROJECTS, THIS DISTRICT OF THE TEXAS DEPARTMENT OF

STRUCTURAL PRACTICES:

SEDIMENT TRAPS SILT FENCES STORM SEWERS OTHER	PIPE SLOPE DRAINS ROCK FILTER DAMS SEDIMENT BASINS	CHANNEL LINERS CURBS AND GUTTERS HAY BALES
TIMBER MATTING AT CONSTRUCTION EXIT VEGETATIVE FILTER STRIPS VELOCITY CONTROL DEVICES OTHER	STONE OUTLET STRUCTURES STORM INLET SEDIMENT TRAP TEMPORARY EROSION CONTROL LOGS (BIOLOGS)	DIVERSION DIKE AND SWALE COMBINATIONS DIVERSION, INTERCEPTOR, OR PERIMETER SWALES DIVERSION, INTERCEPTOR, OR PERIMETER SWALES

OFFSITE VEHICLE TRACKING CONTROLS:

× OTHER STABILIZED CONSTRUCTION ENTRANCE EXCESS DIRT ON ROAD REMOVED DAILY LOADED HAUL TRUCKS TO BE COVERED WITH TARPAULIN HAUL ROADS DAMPENED FOR DUST CONTROL

NARRATIVE — SEQUENCE OF CONSTRUCTION (STORM WATER MANAGEMENT) ACTIVITIES:

표 ORDER OF ACTIVITIES WILL BE AS FOLLOWS: SET BARRICADES, CONSTRUCT SIDEWALK, CURB SIGNS, TRAFFIC SIGNAL IMPROVEMENTS. AND GUTTER, DRIVEWAY APRONS,

STORM WATER MANAGEMENT:

DAILY CLEANUP OF EXCESS DIRT AND OTHER MATERIAL

OTHER EROSION AND SEDIMENT CONTROLS

MAINTENANCE:

INSPECTION:

WASTE MATERIALS:

BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE EMPTIED AS NECESSARY OR AS REQUIRED BY LOCAL REGULATION AND THE TRASH WILL BE HAULED TO A PERMITTED LANDFILL. NO CONSTRUCTION WASTE MATERIAL WILL BE BURIED ON SITE.

CONSTRUCTION DEBRIS AND LITTER SHOULD BE PICKED UP ON A DAILY BASIS UNLESS ALL WASTE MATERIALS WILL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER WILL MEET ALL STATE AND LOCAL CITY SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL OTHERWISE DIRECTED BY THE ENGINEER. WASTE AND DIRT PILES SHOULD BE REMOVED ON A WEEKLY BASIS.

HAZARDOUS WASTE (INCLUDING SPILL REPORTING):

NO LONG TERM WATER QUALITY IMPACTS ARE EXPECTED AS A RESULT OF THE PROPOSED PROJECT. SEE THE NEXT PLAN SHEET FOR A LIST OF POTENTIAL POLLUTANTS. IN THE AREAS SHALL BE DETERMINED BY THE AREA ENGINEER FOR SPOILS DISPOSAL AND MATERIAL STORAGE. THESE AREAS SHALL BE PROTECTED FROM RUN-ON AND RUN IN ADDITIONAL WATER QUALITY CONTROL MEASURES, WHICH SHALL BE MITIGATED AS SOON AS POSSIBLE AND SHALL BE REPORTED TO THE TEXAS COMMISSION ON ENVIRONMENTAL MATERIALS RESULTING FROM THE DESTRUCTION OF EXISTING ROADS AND BEING REMOVED AND/OR DISPOSED OF BY THE CONTRACTOR WILL BE DONE SO IN ACCORDANCE WITH ALL BE IMMEDIATELY REMOVED THAN 25 GALLONS SHALL QUALITY (TOEQ) WITHIN 24 HOURS OF BECOMING AWARE OF IMPACTS. DURING CONSTRUCTION OF FEDERAL, STATE, AND LOCAL LAWS, ORDINANCES AND REGULATIONS AND WITH THE HAZARDOUS MATERIALS THEY WILL BE USING. ALL SPILLS, INCLUDING THOSE OF LESS WILL BE INSTRUCTED IN EVENT OF A MAJOR SPILL APPROVAL OF THE PROJECT ENGINEER. THESE AREAS SHALL BE PROTECTED FROM RUN-ON AND RUN-OFF. HE PROCEDURES FOR SPILL HANDLING AND DISPOSING OF ANY BE CLEANED IMMEDIATELY AND ANY CONTAMINATED SOIL SHALL FROM THE SITE AND BE DISPOSED OF PROPERLY. THE PROPOSED PROJECT SHALL BE PROHIBITED AND MAY RESULT NOTIFY THE TXDOT ENGINEER IMMEDIATELY. ALL PERSONNE ANY CHANGES TO AMBIENT WATER QUALITY DESIGNATED

SANITARY WASTE:

REQUIRED BY LOCAL REGULATION BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR ALL SANITARY WASTE WIL L BE COLLECTED FROM THE PORTABLE UNITS AS NECESSARY OR AS

REMARKS:

THAT WILL MINIMIZE AND CONTROL THE AMOUNT OF SEDIMENT THAT MAY ENTER RECEIVING WATERS. DISPOSAL AREAS SHALL NOT BE LOCATED IN ANY WETLAND, PLACED DURING CONSTRUCTION OPERATIONS THAT ARE NOT PART OF THE FINISHED WORK. DISPOSAL AREAS, STOCKPILES, AND HAUL ROADS SHALL BE CONSTRUCTED IN A MANNER THAT WILL MINIMIZE AND CONTROL THE AMOUNT OF SEDIMENT THAT MAY ENTER BY THE CONTRACTOR IN CONSTRUCTION STAGING WATER BODY OR STREAMBED. TEMPORARY BRIDGES, MATTING, FALSEWORK PILING, DEBRIS OR OTHER OBSTRUCTIONS ALL WATERWAYS SHALL BE CLEARED AS SOON AS PRACTICABLE OF TEMPORARY EMBANKMENT, A MANNER TO MINIMIZE THE RUNOFF OF POLLUTANTS AREAS AND VEHICLE MAINTENANCE AREAS SHALL BE CONSTRUCTED

IXDOT STORM WATER PREVENTION PLAN (SW3P) POLLU1

)ISTRICT

CONTROL SECTION

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TEXAS	STATE	თ	DIVISIVION	NO SCALE
ABILENE	TAYLOR	CSJ#0908-33-099	PROJECT NO.	
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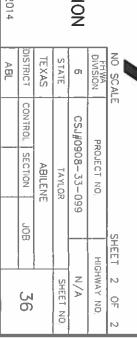
TASA US 83/84 BIKE/ PED IMPROVEMENTS 02-27-2020 FILE:

DATE:

	LIST OF POTENTIAL	POLLUTANTS
POTENTIAL POLLUTANT	RELATED SOURCE	CONTROLS
CEMENTATEOUS MATERIAL AND CEMENTATEOUS AGGREGATES (BROKEN CONCRETE)	REMOVAL OF CONCRETE RIPRAP, CULVERT COMPONENTS, BRIDGE COMPONENTS, ETC.	THIS CONSTRUCTION WASTE SHALL BE PROPERLY DISPOSED OF IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS. WHEN STORED ON SITE PRIOR TO DISPOSAL, IT SHALL BE CONTAINED SO AS TO ENSURE THAT IT CANNOT ENTER SURFACE RUNDEF.
MILLED ASPHALTIC CEMENT PAVEMENT (MILLINGS)	OBLITERATION OF ABANDONED ROAD AND PLANING OF ASPHALT	THIS CONSTRUCTION WASTE SHALL BE PROPERLY DISPOSED OF IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS. WHEN STORED ON SITE PRIOR TO DISPOSAL, IT SHALL BE CONTAINED SO AS TO ENSURE THAT IT CANNOT ENTER SURFACE RUNOFF.
VIRGIN ASPHALTIC MATERIAL INCLUSIVE OF PRIME OILS, PRECOAT AGGREGATES, AND HOT MIX BITUMINOUS MIXTURES	APPLICATIONS OF PRIME COATS, SEAL COAT, AND PAVING OPERATIONS	THIS MATERIAL SHALL BE APPLIED AT APPROPRIATE RATES FOR CONSTRUCTION PURPOSES WHICH WILL PRECLUDE THESE MATERIALS FROM ENTERING RUNOFF, IN THE EVENT OF ANY UNINTENDED DISCHARGE, CONTROLS TO CONTAIN RUNOFF WILL BE IMMEDIATELY NOTIFIED.
CONCRETE, REBAR, WRE. WRE FABRIC LUMBER, NAILS, STYROFOAM BLOCK, FIBERBOARD, CURING COMPOUND AND LINSEED OIL	CONSTRUCTION OF CONCRETE BRIDGE COMPONENTS SUCH AS DRILLED SHAFTS, CULVERTS, ABUTMENTS, BENTS, REINFORCED CONCRETE SLABS, RAIL, INLET, CONCRETE TRAFFIC BARRIERS, CURB AND GUTTER, RIPRAP AND SIGN FOUNDATIONS	THIS CONSTRUCTION WASTE SHALL BE PROPERLY DISPOSED OF IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS. WHEN STORED ON SITE PRIOR TO DISPOSAL, IT SHALL BE CONTAINED SO AS TO ENSURE THAT IT CANNOT ENTER SURFACE RUNOFF, ANY TEMPORARY FILLS MUST BE REMOVED IN THEIR ENTIRETY AND THE AFFECTED AREAS RETURNED TO THEIR PREEXISTING CONDITION/ELEVATION.
MASONRY CONCRETE BLOCK, GEOGRID FABRIC, CARDBOARD, AND PLASTIC RAP	CONSTRUCTION OF MODULAR RETAINING WALL SYSTEMS	THIS CONSTRUCTION WASTE SHALL BE PROPERLY DISPOSED OF IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS. WHEN STORED ON SITE PRIOR TO DISPOSAL, IT SHALL BE CONTAINED SO AS TO ENSURE THAT IT CANNOT ENTER SURFACE RUNOFF.
WOOD POSTS, STEEL POSTS, BARRELS, CONES, SIGN BOARDS (ALUMINUM AND PLYBOARD), FASTENERS, NUTS, BOLTS, AND WASHERS	PLACEMENT AND/OR REMOVAL OF BARRICADES, SIGNS AND TRAFFIC CONTROL DEVICES	THIS CONSTRUCTION WASTE SHALL BE PROPERLY DISPOSED OF IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS. WHEN STORED ON SITE PRIOR TO DISPOSAL, IT SHALL BE CONTAINED SO AS TO ENSURE THAT IT CANNOT ENTER SURFACE RUNOFF,
WOOD POST, STEEL POST, STEEL FASTENERS, NUTS, BOLTS, AND WASHERS	CONSTRUCTION OF METAL BEAM GUARD FENCE	THIS CONSTRUCTION WASTE SHALL BE PROPERLY DISPOSED OF IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS. WHEN STORED ON SITE PRIOR TO DISPOSAL, IT SHALL BE CONTAINED SO AS TO ENSURE THAT IT CANNOT ENTER SURFACE RUNOFF.
STRUCTURAL STEEL I-BEAM, SIGN BOARDS, AND CONCRETE FOUNDATIONS	REMOVAL OF ROADSIDE SIGN ASSEMBLIES LARGE AND SMALL	THIS CONSTRUCTION WASTE SHALL BE PROPERLY DISPOSED OF IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS. WHEN STORED ON SITE PRIOR TO DISPOSAL, IT SHALL BE CONTAINED SO AS TO ENSURE THAT IT CANNOT ENTER SURFACE RUNOFF.
THERMOPLASTIC PAINT, GLASS BEADS, REFLECTIVE TABS, AND RAISED REFLECTIVE PAVEMENT MARKERS	APPLICATION OF PAVEMENT MARKINGS/MARKERS	THIS CONSTRUCTION WASTE SHALL BE PROPERLY DISPOSED OF IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS. WHEN STORED ON SITE PRIOR TO DISPOSAL, IT SHALL BE CONTAINED SO AS TO ENSURE THAT IT CANNOT ENTER SURFACE RUNOFF.
PETROLEUM PRODUCTS (SMALL QUANTITIES INTRODUCED BY CONTRACTOR)	EQUIPMENT FAILURE, MAINTENANCE AND REPAIR	ALL EQUIPMENT AND VEHICLE MAINTENANCE SHALL BE PERFORMED IN A DESIGNATED AREA WITH APPROPRIATE MEASURES FOR CONTAINMENT AND PROPER DISPOSAL OF ALL WASTE MATERIALS INCLUDING HYDRAULIC OIL AND OTHER LIQUIDS IN ACCORDANCE STATE AND LOCAL WASTE MANAGEMENT REGULATIONS. ALL MATERIAL STORED PRIOR TO DISPOSAL SHALL BE CONTAINED IN A CONTAINER WITH A SECURE COVER MEETING ALL STATE AND LOCAL WASTE MANAGEMENT REGULATIONS.
ELIGIBLE NON-STORM WATER DISCHARGES INCLUDING BUT NOT LIMITED TO NON-POTABLE WATER AND NON-STORM WATER DISCHARGE	MOISTURE APPLICATIONS FOR DUST CONTROL, DENSITY, VEGETATION WATERING, NON-DETERGENT VEHICLE WASHING, AND AIR CONDITIONING CONDENSATE	THIS MATERIAL SHALL BE APPLIED AT APPROPRIATE RATES FOR CONSTRUCTION PURPOSES WHICH WILL PRECLUDE THESE MATERIALS FROM ENTERING RUNOFF. IN THE EVENT OF ANY UNINTENDED DISCHARGE, CONTROLS TO CONTAIN RUNOFF WILL BE IMMEDIATELY PLACED AND THE NON-POTABLE WATER WILL BE RECOVERED AND PROPERLY STORED FOR REUSE.
SURVEY STAKE, FLAGGING TAPE AND PAINT	SURVEY STAKING, ALIGNMENT ESTABLISHMENT	THIS CONSTRUCTION WASTE SHALL BE PROPERLY DISPOSED OF IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS. WHEN STORED ON SITE PRIOR TO DISPOSAL, IT SHALL BE CONTAINED SO AS TO ENSURE THAT IT CANNOT ENTER SURFACE RUNOFF.
WASTEWATER	WASHOUT AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS	THIS CONSTRUCTION WASTE SHALL BE PROPERLY DISPOSED OF IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS. WHEN STORED ON SITE PRIOR TO DISPOSAL, IT SHALL BE CONTAINED SO AS TO ENSURE THAT IT CANNOT ENTER SURFACE RUNOFF.
SOAPS AND SOLVENTS	VEHICLE AND EQUIPMENT WASHING	THIS CONSTRUCTION WASTE SHALL BE PROPERLY DISPOSED OF IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS. WHEN STORED ON SITE PRIOR TO DISPOSAL, IT SHALL BE CONTAINED SO AS TO ENSURE THAT IT CANNOT ENTER SURFACE RUNOFF.
UNSUITABLE FILL MATERIAL	EXCAVATION - ROADWAY, SPECIAL AND EROSION CONTROL	THIS CONSTRUCTION WASTE SHALL BE PROPERLY DISPOSED OF IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS. WHEN

TxDOT STORM WATER PREVENTION PLAN POLLUTION (SW3P)

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exas Department of Transportation